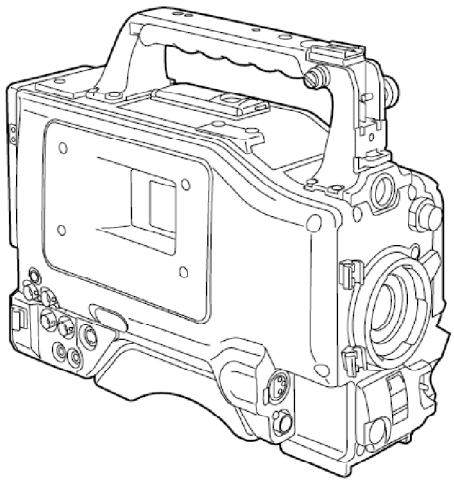
ORDER NO. BSD0109M019
D20

Service Manual

Digital Video Camera Recorder

DVCPRO

AJ-D410AP



Refer to BSD0103M901 DVCPRO MECHANISM Version 2 for Mechanical Adjustment.
***Only table of difference between DVCPRO MECHANISM Version 2 and AJ-D410AP for Mechanical Adjustment.**

© 2001 Matsushita Electric Industrial Co., Ltd. All rights reserved.
Unauthorized copying and distribution is a violation of law.

⚠ WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public.
It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product.
Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

Please refer to the Operating Instructions in the appendix folder. / (Go to Appendix List)

Panasonic®

Specifications

[GENERAL]

Power requirements:	DC 12V (11.0 V to 17.0 V)
Power consumption:	20 W

▭ indicates safety information.

Operating temperature:	32 °F to 104 °F (0°C to +40°C)
Storage temperature:	–4 °F to 140 °F (–20°C to +60°C)
Operating humidity:	Less than 85% (relative humidity)
Continuous operating time:	Approx. 120 min. (continuous recording time using the TRIMPAC14 made by Anton Bauer)
Dimensions (W × H × D):	4-7/8″ × 7-1/2″ × 11-1/2″ (123 × 190 × 292 mm) (excluding grip)
Weight:	Approx. 7.1 lbs (3.2 kg) (main unit only)

[CAMERA UNIT]

Pickup device:	1/2-inch IT type CCD (410,000 pixels)
System:	RGB 3-CCD system
Total number of pixels:	811(H) × 508(V)
Number of effective pixels:	768(H) × 494(V)
Spectral system:	f/1.4 prism system
Internal filters:	1: 3200K (clear) 2: 5600K + 1/8ND 3: 5600K 4: 5600K + 1/64ND
Quantizing:	10 bits, non-linear
Sampling frequency:	14.31818 MHz (4 fsc)
Digital signal processing:	28.63636 MHz (8 fsc)
Horizontal drive frequency:	28.63636 MHz (8 fsc)
Programmable gain:	3 positions (L, M and H) selected from 0, 3, 6, 9, 12, 15, 18, 21, 24, 30, 36 dB
Shutter speed	Preset: 1/100, 1/120, 1/250, 1/500, 1/1000, 1/2000 Variable:1/60.3 to 1/250.0
Lens mount:	Bayonet type
Sensitivity:	F11 (2000 lux)
Minimum subject brightness:	0.5 lux (at f/1.4 +36 dB)
Video S/N ratio:	62 dB (standard)
Horizontal resolution:	800 lines (at center) (CAM OUT connector)
Registration:	Less than 0.05% (total area, lens distortion excluded)
Geometric distortion:	Negligible (lens distortion excluded)

Specifications

[VTR UNIT]

Video system

Recording format:	DVCPRO format
Sampling frequency	Y: 13.5 MHz
	P_B/P_R: 3.375 MHz
Quantizing:	8 bits

Audio system

Sampling frequency:	48 kHz (synchronized with video)
Quantizing:	16 bits
Frequency response:	20 Hz to 20 kHz

Tape transport system

Tape format:	L-size DVCPRO cassette tapes
Tape speed:	33.820 mm/sec.
Maximum recording time:	184 min. (using the AJ-P184LP)

[CONNECTOR SECTION]

Input

AUDIO IN CH1/CH2 (XLR × 2, 3 pins):	LINE/MIC/MIC+48V switching system
	MIC: –40, –50, –60 dBu menu-selectable
	LINE: –6, 0, +4 dBu menu-selectable
	MIC+48V: Phantom +48V supported
MIC IN (XLR, 3 pins):	MIC/MIC+48V switching system
	MIC: –40, –50, –60 dBu menu-selectable
	MIC+48V: Phantom +48V supported (menu-selectable)
GEN LOCK IN (BNC):	1.0 V[p-p], 75 Ω
TC IN (BNC):	0.5 to 8 V[p-p], high impedance

Output

CAMERA OUT (BNC):	1.0 V[p-p], 75 Ω
VIDEO OUT (BNC):	1.0 V[p-p], 75 Ω
S-VIDEO OUT (S connector)	Y signal: 1.0 V[p-p], 75 Ω
	C signal: 0.286 V[p-p], 75 Ω
AUDIO OUT CH1/CH2 (RCA × 2):	–6 dBu, low impedance, unbalanced
TC OUT (BNC):	2.0 V[p-p], low impedance

Other

DC IN (XLR, 4 pins, male):	DC 12 V (DC 11 V to 17 V)
DC OUT (4 pins):	DC 12 V (DC 11 V to 17 V), max. 1 A
PHONE OUT (stereo mini jack)	
LENS (multi-connector, 12 pins)	
EVF (multi-connector, 20 pins)	
REMOTE (ECU, 6 pins)	
Wireless (25 pins, D-SUB female)	

Specifications

[VIEWFINDER]
(Optional accessory AJ-VF15)

CRT:	1.5-inch high-resolution monochrome CRT
Video system:	525 lines, 60 fields
External controls	Controls: BRIGHT, CONTRAST, PEAKING Switches: TALLY HIGH/OFF/LOW, ZEBRA ON/ OFF

[ACCESSORIES]

- Battery connector (including screws) for supporting Sony battery
- Battery holder (already installed on unit) for Anton Bauer products
- Microphone kit
- Tripod plate
- Shoulder strap

[RELATED EQUIPMENT]

Power supply-related products

Battery packs:	AU-BP402
Battery chargers:	AG-B425
Battery case:	AU-M402H
AC adapter:	AJ-B75

Audio products

Microphone kit:	AJ-MC700
Microphone holder:	AJ-MH700

Maintenance products

Cleaning tape:	AY-CL12LP

SAFETY PRECAUTIONS

GENERAL GUIDELINES

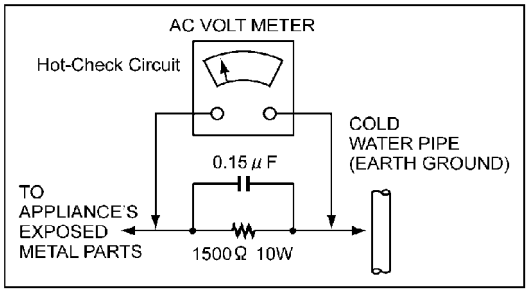
1. When servicing, observe the original lead dress. If a short / circuit is found, replace all parts which have been over-heated or damaged by the short circuit.
2. After servicing, see to it that all the protective devices such as insulation barriers, insulation papers shields are properly installed.
3. After servicing, make the following leakage current checks to prevent the customer from being exposed to shock hazards.

LEAKAGE CURRENT COLD CHECK

1. Unplug the AC cord and connect a jumper between the two prongs on the plug.

2. **Measure the resistance value, with an ohm meter, between the jumpered AC plug and each exposed metallic cabinet part on the equipment such as screwheads, connectors, control shafts, etc. The resistance value must be more than 5M Ω .**

Figure1



LEAKAGE CURRENT HOT CHECK (See Figure 1)

1. **Plug the AC cord directly into the AC outlet. / Do not use an isolation transformer for this check.**
2. **Connect a 1.5k Ω , 10W resistor, in parallel with a 0.15 μ F capacitor, between each exposed metallic part on the set an a good earth ground such as a water pipe, as shown in Figure1.**
3. **Use an AC voltmeter, with 1000 ohms/volt or more sensitivity, to measure the potential across the resistor.**
4. **Check each exposed metallic part, and measure the voltage at each point.**
5. **Reverses the AC plug in the AC outlet repeat each of the above measurements.**
6. **The potential at any point should not exceed 0.15 volts RMS. A leakage current tester (Simpson Model 229 equivalent) may be used to make the hot checks, leakage current must not exceed 0.1 milliamp. In case a measurement is outside of the limits specified, there is a possibility of a shock hazard, and the equipment should be repaired and checked before it is returned to the customer.**

ELECTROSTATICALLY SENSITIVE (ES) DEVICES

Some semiconductor (solid state) devices can be damaged easily by static electricity. Such components commonly are called Electrostatically sensitive (ED) Devices. Examples of typical

ES devices are integrated circuits and some field-effect transistors and semiconductor "chip" components. The following techniques should be used to help reduce the incidence of component damage caused by static electricity.

1. **Immediately before handling any semiconductor component or semiconductor-equipped assembly, drain off any electrostatic charge on your body by touching a known earth ground. / Alternatively, obtain and wear a commercially available discharging wrist trap device, which should be removed for potential shock reasons prior to applying power to the unit under test.**
2. **After removing an electrical assembly equipped with ES devices, place the assembly on a conductive surface such as aluminum foil, to prevent electrostatic charge buildup or exposure of the assembly.**
3. **Use only a grounded tip soldering iron to solder or unsolder ES devices.**
4. **Use only an anti-static solder removal device classified as "anti-static" can generate electrical charges sufficient to damage ES devices.**
5. **Do not use freon-propelled chemicals. These can generate electrical charges sufficient to damage ES devices.**
6. **Do not remove a replacement ES device from its protective package until immediately before you are ready to install it. / (most replacement ES devices are package with leads electrically shorted together by conductive foam, aluminum foil or comparable conductive material).**
7. **Immediately before removing the protective material from the leads of a replacement ES device, touch the protective material to the chassis or circuit assembly into which the device will be installed. / CAUTION : Be sure no power is applied to the chassis or circuit, and observe all other safety precautions.**
8. **Minimize bodily motions when handling unpacked replacement ES devices. (Otherwise harmless motion such as the brushing together of your clothes fabric or the lifting of your foot from a carpeted floor can generate static electricity sufficient to damage**

an ES device).

X-RADIATION

WARNING

1. **The potential source of X-radiation in EVF sets is the High Voltage section and the picture tube.**
2. **When using a picture tube test jig for service, ensure that jig is capable of handling 10kV without causing x-radiation.**

Note :
It is important to use an accurate periodically calibrated high voltage meter.

3. **Measure the High Voltage. The meter (electric type) reading should indicate 2.5kV, 0.15kV. If the meter indication is out of tolerance, immediate service and correction is required to prevent the possibility of premature component failure. To prevent an x-radiation possibility, it is essential to use the specified picture tube.**

- Use a rain cover when the unit is to be used outdoors in rainy weather.
- Only L-size DVCPRO cassette tapes can be used with this camera recorder. Do not use standard size DV tapes or tapes of any other size.

CAUTION
RISK OF ELECTRIC SHOCK DO NOT OPEN

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER SERVICEABLE PARTS INSIDE. REFER TO SERVICING TO QUALIFIED SERVICE PERSONNEL.

The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (service) instructions in the literature accompanying the appliance.

WARNING:

TO REDUCE THE RISK OF FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS EQUIPMENT TO RAIN OR MOISTURE.

CAUTION:

TO REDUCE THE RISK OF FIRE OR SHOCK HAZARD AND ANNOYING INTERFERENCE, USE THE RECOMMENDED ACCESSORIES ONLY.

CAUTION:

TO REDUCE THE RISK OF FIRE OR SHOCK HAZARD, REFER CHANGE OF SWITCH SETTING INSIDE THE UNIT TO QUALIFIED SERVICE PERSONNEL.

FCC Note:
This device complies with Part 15 of the FCC Rules. To assure continued compliance follow the attached installation instructions and do not make any unauthorized modifications.

This equipment has been tested and found to comply with the limits for a class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

Replace battery with part No. CR2032 only.
Use of another battery may present a risk of fire or explosion.
Caution—Battery may explode if mistreated.
Do not recharge, disassemble or dispose of in fire.



ATTENTION:
The product you have purchased is powered by a nickel cadmium battery which is recyclable. At the end of it's useful life, under various state and local laws, it is illegal to dispose of this battery into your municipal waste stream.
Please call 1-800-8-BATTERY for information on how to recycle this battery.

indicates safety information.

For your safety

■ **DO NOT REMOVE PANEL COVER BY UNSCREWING**
To reduce the risk of the electric shock, do not remove cover. No user serviceable parts inside. Refer servicing to qualified service personnel.

WARNING:
TO REDUCE THE RISK OF FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS EQUIPMENT TO RAIN OR MOISTURE.

CAUTION:
TO REDUCE THE RISK OF FIRE OR SHOCK HAZARD AND ANNOYING INTERFERENCE, USE THE RECOMMENDED ACCESSORIES ONLY.

Lithium Battery

Warning
The lithium battery in this equipment must only be replaced by qualified personnel. When necessary, contact your local Panasonic supplier.

"The lithium battery is a critical component (type number CR2032 manufactured by Panasonic).

It must never be subjected to excessive heat or discharge. It must therefore only be fitted in equipment designed specifically for its use.

Replacement batteries must be of the same type and manufacturer. They must be fitted in the same manner and location as the original battery, with the correct polarity connections observed.

Do not attempt to re-charge the old battery or re-use it for any other purpose. It should be disposed of in waste products destined for burial rather than incineration."

CAUTION
Danger of explosion if battery is incorrectly replaced.
Replace only with the same or equivalent type recommended by the equipment manufacturer. Discard used batteries according to manufacturer's instructions.

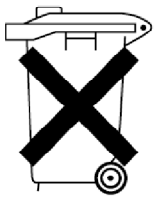
VARNING
Explosinsfara vid felaktigt batteribyte.
Använd samma batterityp eller en ekvivalent typ som rekommenderas av apparattillverkaren. Kassera använt batteri enligt fabrikantens instruktion.

ADVARSEL!
Eksplosionsfare ved fejlagtig håndtering.
Udskiftning må kun ske med batteri af samme fabrikat og type. Levér det brugte batteri tilbage til leverandøren.

VAROITUS
Paristo voi räjähtää, jos se on virheellisesti asennettu.
Vaihda paristo ainoastaan laitevalmistajan suosittelemaan tyypiin. Hävitä käytetty paristo valmistajan ohjeiden mukaisesti.

Attention/Attentie

- This apparatus contains a lithium battery for memory back-up.
- For the removal of the battery at the moment of the disposal at the end of the service life please consult your dealer.
- Do not throw away the battery. Instead, hand it in as hazardous waste.
- Dit apparaat bevat een lithiumbatterij voor memory back-up.
- Raadpleeg uw leverancier over de verwijdering van de batterij op het moment dat u het apparaat bij einde levensduur afdankt.
- Gooi de batterij niet weg, maar lever hem in als KCA.



1. Service Information

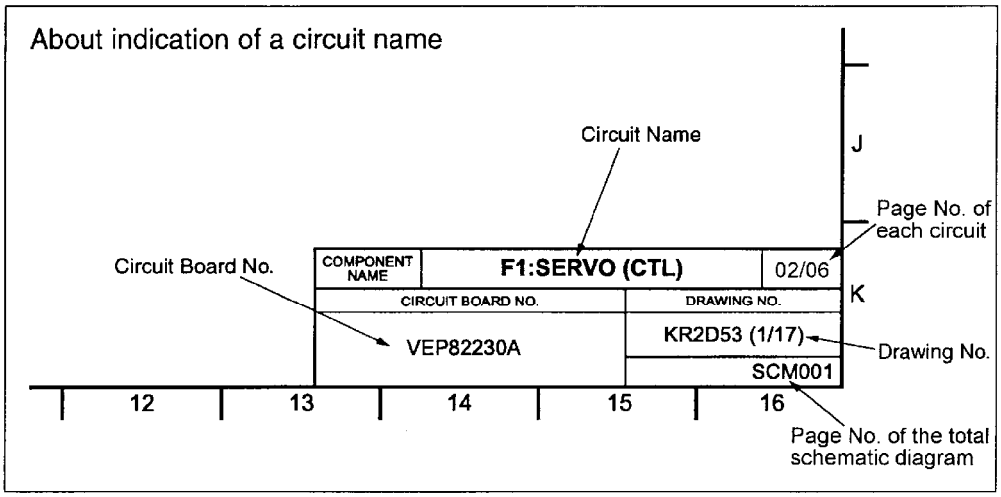
2. Disassembly Procedures

3. Mechanical Adjustments Procedure

4. Electrical Adjustments Procedure

5. Block Diagrams

6. Schematic Diagrams



NOTE
BE SURE TO MAKE YOUR ORDERS OF REPLACEMENT PARTS ACCORDING TO PARTS LIST, SECTION9.

CAUTION
THE ▭ MARK INDICATES THE PRIMARY CIRCUIT TO DISTINGUISH THE PRIMARY FROM THE SECONDARY CIRCUIT. / PAY ATTENTION NOT TO RECEIVE AN ELECTRIC SHOCK DURING REPAI SERVICE OF THE PRODUCTS.

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY. / WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.

6.1. OVERALL

6.2. MAIN (VEP83551C)

6.3. REMOTE MAINTENANCE (VEP80C20A)

6.4. VTR SUB (VEP83579A)

6.5. RF & SERVO (VEP82241C)

6.6. POWER (VEP81220C)

6.7. R_SIDE (VEP80B98A)

6.8. SCENE_FILE (VEP80B99A)

6.9. AUTO_IRIS (VEP80C00A)

6.10. POWER_SW (VEP80B97A)

6.11. LED (VEP80C01B)

6.12. TOGGLE SW (VEP80B94A)

6.13. MENU_JOG (VEP80B96A)

6.14. FRONT TOGGLE SW (VEP80C02A)

6.15. REAR JACK (VEP80C06A (FOR JAPAN),VEP80C06B (EXCEPT JAPAN)

6.16. AV_OUT (VEP80C07B)

6.17. FRONT_MIC (VEP80C12A)

6.18. HEAD_PHONE (VEP000U0A)

6.19. H/R AMP (VEP85200A)

6.20. CUE (VEP84376A)

6.21. DRIVE (WE600EKF1C)

6.22. PRE AMP (VEP83564A,WE600PKE1B,WE600PKY1A)

7. Circuit Board Diagrams

NOTE
BE SURE TO MAKE YOUR ORDERS OF REPLACEMENT PARTS ACCORDING TO PARTS LIST, SECTION9.

CAUTION
THE ⏥ MARK INDICATES THE PRIMARY CIRCUIT TO DISTINGUISH THE PRIMARY FROM THE SECONDARY CIRCUIT. / PAY ATTENTION NOT TO RECEIVE AN ELECTRIC SHOCK DURING REPAII SERVICE OF THE PRODUCTS.

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR

SAFETY. / WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.

7.1. MAIN P.C.B.(VEP83551C)

7.2. REMOTE MAINTENANCE P.C.B.(VEP80C20A)

7.3. RF & SERVO P.C.B.(VEP82241C)

7.4. VTR SUB P.C.B. (VEP83579A)

7.5. VTR S/S P.C.B. (VEP80C03A)

7.6. REAR JACK P.C.B. (VEP80C06A : FOR JAPAN) (VEP80C06B : EXCEPT JAPAN)

7.7. AV OUT P.C.B. (VEP80C07B)

7.8. FILTER P.C.B. (VEP000W0A)

7.9. DRIVE P.C.B. (WE600EKF1C)

7.10. POWER P.C.B. (VEP81220C)

7.11. H/R AMP P.C.B. (VEP85200A)

7.12. CUE P.C.B. (VEP84376A)

7.13. PRE AMP2 P.C.B. (WE600PKY1A)

7.14. PREAMP P.C.B. (WE600EKE1B)

7.15. SCENE FILE P.C.B. (VEP80B99A)

7.16. R SIDE P.C.B. (VEP80B98A)

7.17. AUTO IRIS P.C.B. (VEP80C00A)

7.18. LED P.C.B. (VEP80C01B)

7.19. POWER P.C.B. (VEP80B97A)

7.20. TOGGLE SW P.C.B. (VEP80B94A)

7.21. FRONT TOGGLE SW P.C.B. (VEP80C02A)

7.22. MENU JOG P.C.B. (VEP80B96A)

7.23. BREAKER P.C.B. (VEP80C08A)

7.24. HEAD PHONE P.C.B. (VEP000U0A)

7.25. FRONT MIC P.C.B. (VEP80C12A)

8. Mechanical Replacement Parts List & Exploded Views

NOTE:

1. **Be sure to make your orders of replacement parts according to this list.**
2. **Unless otherwise specified, all resistors are in OHMS, K=1,000 OHMS, all capacitors are in MICR((μ F), P= μ μ F.**
3. **The P.C. Board untils marked with " ■ " shown below the main assembled parts.**
4. **The parts marked with Ⓔ on the exploded view show the electric parts.**
5. **IMPORTANT SAFETY NOTICE**
   Components identified with the mark ⚠ have the special characteristics for safety. When rep any of these components, use only the same type.
6. **The marking (RTL) indicates the retention time is limited for this item. / After the diacontinuatior assembly in production, it will no longer be available.**
7. **"(M)" in Remark column indicates needed in the periodical maintenance.**

9. Electrical Replacement Parts List

NOTE:

1. **Be sure to make your orders of replacement parts according to this list.**
2. **Unless otherwise specified, all resistors are in OHMS, K=1,000 OHMS, all capacitors are in MICR((μ F), P= μ μ F.**
3. **The P.C. Board untils marked with " ■ " shown below the main assembled parts.**
4. **The parts marked with Ⓔ on the exploded view show the electric parts.**
5. **IMPORTANT SAFETY NOTICE**
   Components identified with the mark ⚠ have the special characteristics for safety. When rep any of these components, use only the same type.
6. **The marking (RTL) indicates the retention time is limited for this item. / After the diacontinuatior assembly in production, it will no longer be available.**
7. **"(M)" in Remark column indicates needed in the periodical maintenance.**

NOTE:

A list of parts is stored in data form in the CD-ROM. It is located within the folder APPENDIX/PARTS. Please use as necessary.

10. PDF for Printing

The PDF documents for printing consist of several files per section.Open every section (file) through a link (blue frame) on the cove.

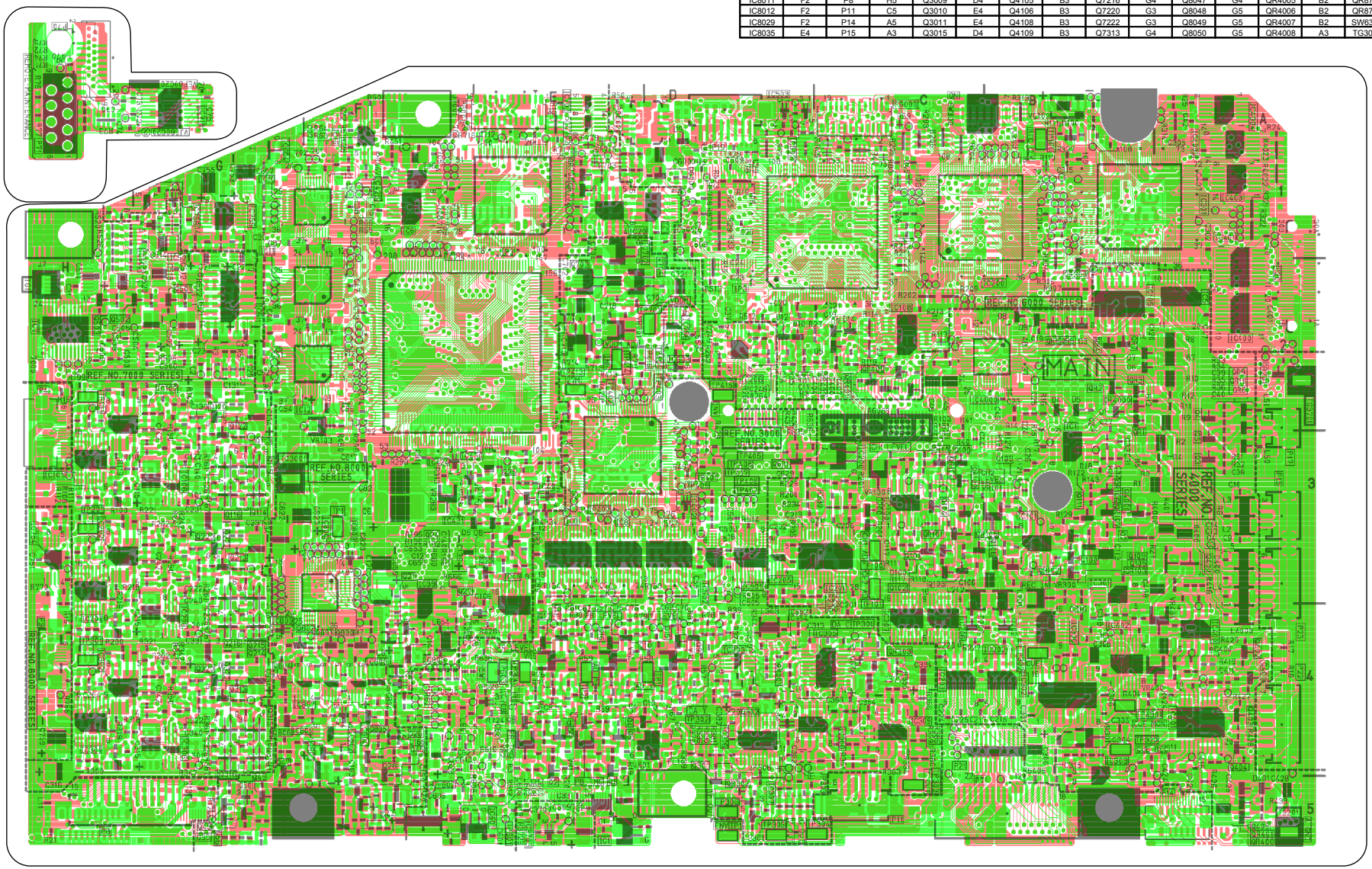
● Setting of Acrobat Reader

To view a link in a new window, follow the procedure below. When you operate the PDF documents printing, you can open a PDF file of each section while displaying the cover page. This is convenier the PDF files in several sections.

<How to set> In the [File] menu, select [Preference] - [General...] and disable [Open Cross-Documer Same Window].

MAIN P.C.B. (VEP83551C)
REMOTE MAINTENANCE P.C.B. (VEP80C20A)

REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC
IC3001	E5	IC8041	E3	P17	A2	Q3016	E4	Q4110	C3	Q7314	G4	Q8055	G5	QR4009	A2	TG3701	A2
IC3307	D5	IC8424	F3	P19	D1	Q3017	E4	Q4111	B3	Q7315	G4	Q8056	G5	QR4010	A2	TG4201	A5
IC3402	D3	IC8430	F3	P20	A2	Q3301	D5	Q4400	A3	Q7316	G4	Q8800	F4	QR4100	C3	TG7001	H2
IC3601	E5	IC8431	F3	P21	B4	Q3302	D4	Q4401	A4	Q7320	G4	Q8801	F4	QR4101	C3	TP1	D5
IC3702	E1	IC8603	D2	P22	A4	Q3601	D3	Q4402	A4	Q7322	G4	Q8802	G4	QR4102	B3	TP3001	D4
IC3703	E5	IC8604	G1	P23	A3	Q3703	E2	Q4403	A4	Q7501	G2	Q8803	F4	QR4103	B3	TP3002	E4
IC3708	E4	IC8800	F3	P70	H1	Q3704	E2	Q4404	A4	Q7502	G2	Q8804	G4	QR4104	C3	TP3003	E4
IC3710	E2	IC8802	F4	P6000	C1	Q4000	B3	Q4405	A5	Q7503	H2	Q8805	F4	QR4105	C3	TP3303	C5
IC4000	B2	IC8803	F4	P6002	D1	Q4002	B3	Q7113	G3	Q8021	F4	Q8806	G4	QR4106	B3	TP3304	C5
IC4200	C3	IC8808	F3	P8000	E1	Q4003	A3	Q7114	G3	Q8023	E3	QR3301	D4	QR4107	B3	TP3305	D5
IC6200	C1	IC8809	G4	Q3001	E4	Q4004	A2	Q7115	G3	Q8024	E3	QR3302	D5	QR4400	A5	TP3306	D5
IC6301	B1	IP3402	E3	Q3002	E4	Q4005	A3	Q7116	G3	Q8025	E3	QR3303	C4	QR4401	A5	TP3413	E2
IC6502	D1	IP6003	C1	Q3004	E4	Q4100	C3	Q7120	G2	Q8026	F4	QR4000	B2	QR6201	A2	TP3414	E2
IC6503	D1	IP8003	E1	Q3005	E4	Q4101	C3	Q7122	G3	Q8027	F4	QR4001	B2	QR6300	B2	TP3415	D2
IC7501	G1	P3	H4	Q3006	E4	Q4102	C3	Q7213	G3	Q8028	F4	QR4002	B2	QR6400	C2	TP3603	E4
IC7502	G1	P4	H3	Q3007	E4	Q4103	C3	Q7214	G4	Q8044	F5	QR4003	B2	QR6401	C2	TP3701	D2
IC8010	F1	P7	B5	Q3008	E4	Q4104	C3	Q7215	G3	Q8045	F5	QR4004	B2	QR6403	C2	VC6100	B1
IC8011	F2	P8	H5	Q3009	D4	Q4105	B3	Q7216	G4	Q8047	G4	QR4005	B2	QR8700	E1		
IC8012	F2	P11	C5	Q3010	E4	Q4106	B3	Q7220	G3	Q8048	G5	QR4006	B2	QR8702	E1		
IC8029	F2	P14	A5	Q3011	E4	Q4108	B3	Q7222	G3	Q8049	G5	QR4007	B2	SW6300	C1		
IC8035	E4	P15	A3	Q3015	D4	Q4109	B3	Q7313	G4	Q8050	G5	QR4008	A3	TG3001	G3		

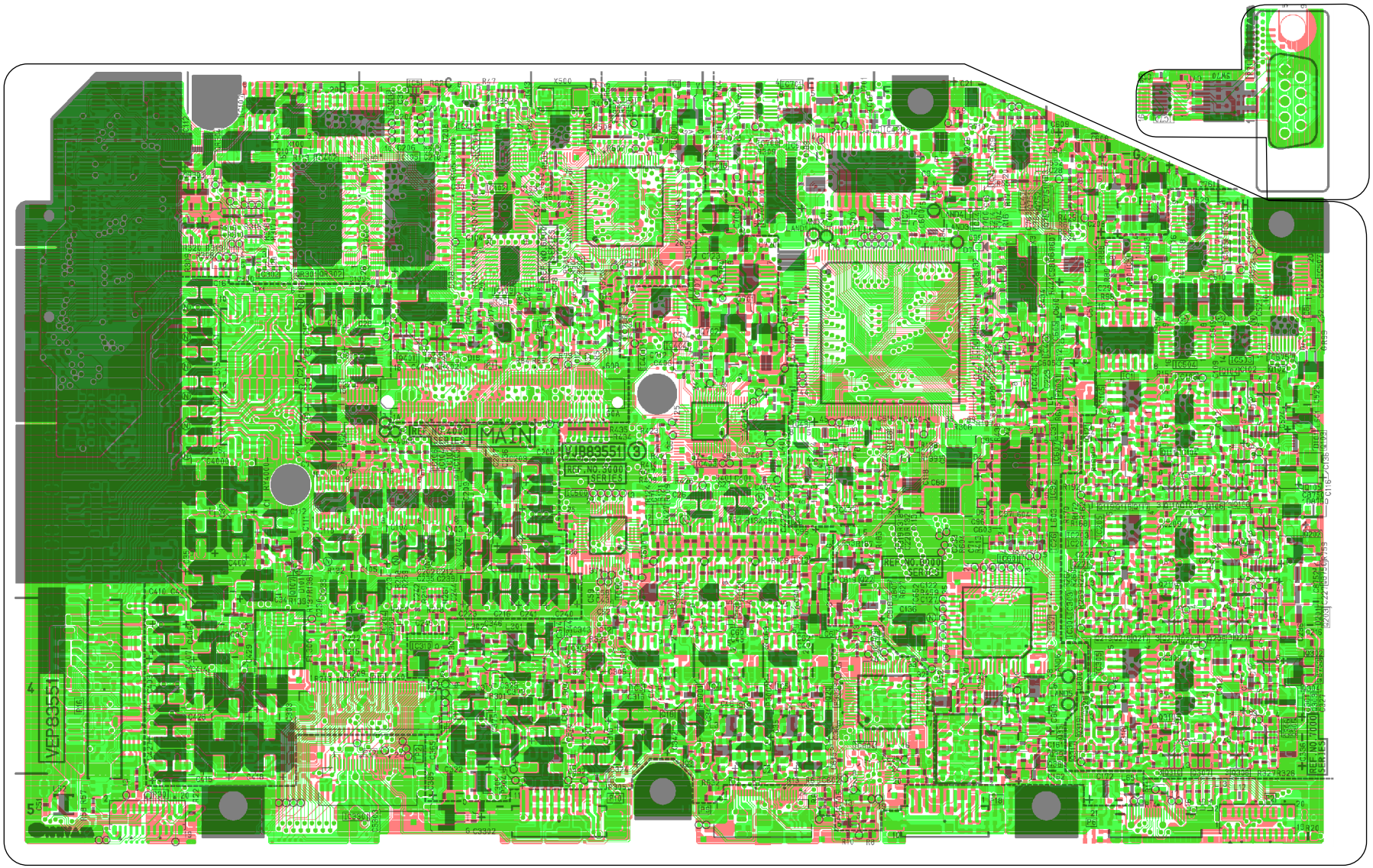


CBA-1

(FOIL SIDE)

MAIN P.C.B. (VEP83551C)
REMOTE MAINTENANCE P.C.B. (VEP80C20A)

REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC
IC70	G1	IC3707	D2	IC6402	B1	IC8007	E1	IC8607	G3	P8001	G2	Q7110	G3	Q7304	H4	Q8753	H4
IC3003	D4	IC3709	E4	IC6404	D1	IC8009	F1	IC8700	E1	Q3003	D4	Q7111	G3	Q7305	H4	Q8754	G1
IC3004	E4	IC4002	B2	IC7001	G2	IC8018	E1	IC8701	E1	Q3012	D4	Q7117	G3	Q7306	H4	Q8807	E4
IC3005	E4	IC4102	C3	IC7005	G2	IC8026	F3	IC8704	E1	Q3013	D4	Q7118	G3	Q7307	G4	QR6301	A1
IC3006	E4	IC4103	C3	IC7008	H2	IC8030	F2	IC8751	G1	Q3014	E4	Q7119	G3	Q7308	H4	QR6302	B1
IC3010	D3	IC4104	C3	IC7103	G2	IC8031	F3	IC8757	H2	Q3018	D4	Q7121	G3	Q7310	G4	QR6303	A1
IC3011	E3	IC4106	B3	IC7104	G3	IC8032	F3	IP6501	D1	Q3019	E4	Q7202	H3	Q7311	G4	QR6304	B1
IC3012	E3	IC4204	B4	IC7105	G2	IC8037	F4	P1	C2	Q3020	E4	Q7203	H3	Q7317	G4	QR6402	C2
IC3013	E3	IC8000	D1	IC7203	G3	IC8042	E1	P2	H5	Q3701	E2	Q7204	H3	Q7318	G4	SW70	H1
IC3301	C5	IC8001	D1	IC7204	G3	IC8044	F1	P6	G5	Q3702	E2	Q7205	H4	Q7319	G4	TP2	C4
IC3302	D4	IC8002	D2	IC7205	G3	IC8047	G1	P9	E5	Q4001	B4	Q7206	H3	Q7321	G4		
IC3310	C4	IC8004	C1	IC7303	G4	IC8048	E3	P10	D5	Q4107	B3	Q7207	G4	Q8004	E3		
IC3401	E2	IC8005	C1	IC7304	G4	IC8049	E3	P12	C5	Q6401	C2	Q7208	H4	Q8022	E3		
IC3403	E2	IC8006	C2	IC7305	G4	IC8050	E3	P13	C4	Q6403	C2	Q7210	G4	Q8035	F4		
IC3404	D2	IC8101	C1	IC7503	H2	IC8051	E3	P16	A4	Q7102	H2	Q7211	G4	Q8038	F4		
IC3500	D3	IC8102	C1	IC7504	G2	IC8422	F2	P18	F5	Q7103	H3	Q7217	G4	Q8039	F4		
IC3602	E5	IC8103	C2	IC7505	G2	IC8423	F2	P30	A5	Q7104	H2	Q7218	G3	Q8058	F2		
IC3604	F4	IC8105	C1	IC7506	G1	IC8425	F2	P71	H1	Q7105	H3	Q7219	G3	Q8059	F2		
IC3704	E2	IC8106	B1	IC7507	H2	IC8432	E3	P3001	D4	Q7106	H3	Q7221	G3	Q8750	H3		
IC3705	E5	IC8107	B1	IC8004	F1	IC8601	F3	P3002	E4	Q7107	G3	Q7302	H4	Q8751	G1		
IC3706	D2	IC8302	B2	IC8005	E1	IC8605	G2	P3003	E4	Q7108	H3	Q7303	H4	Q8752	G1		

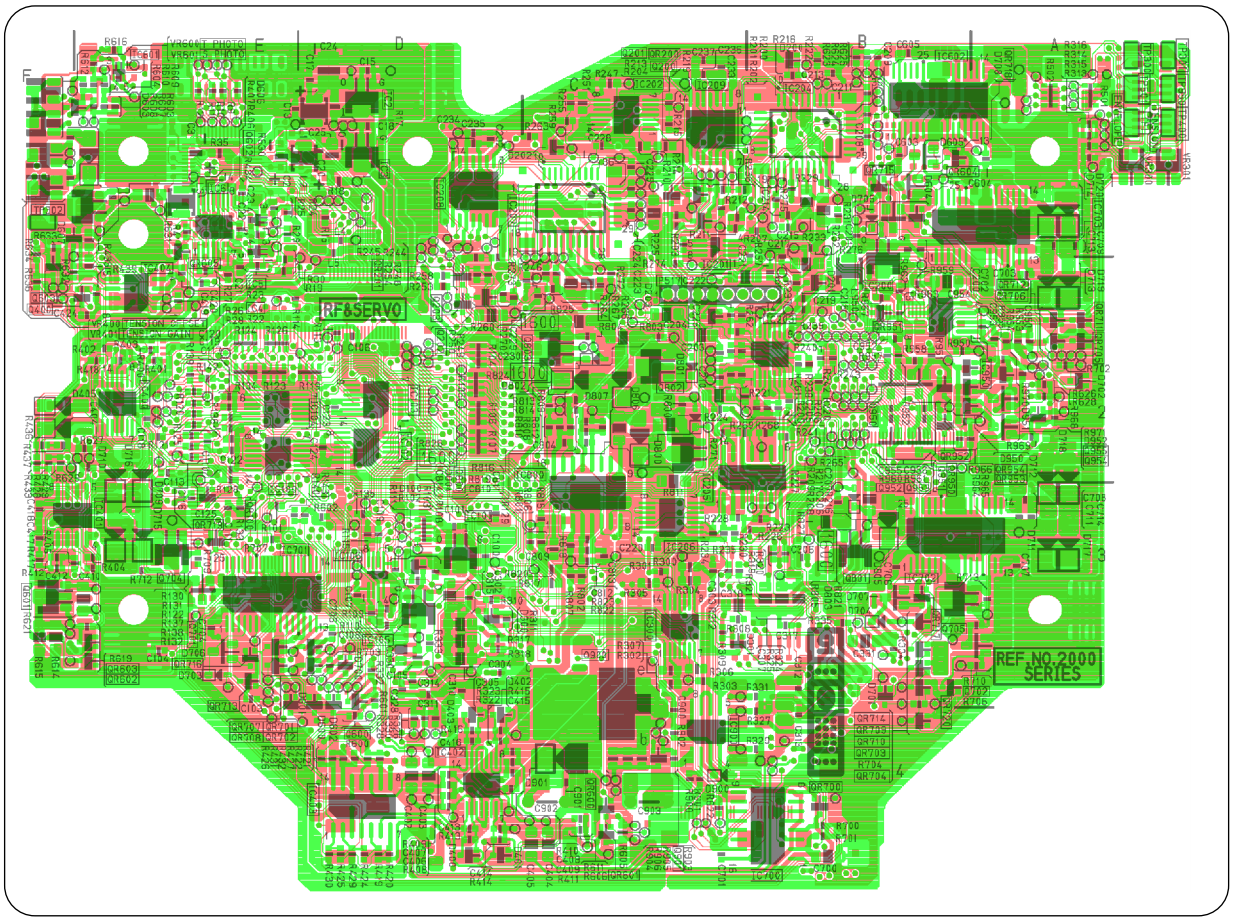


CBA-2

(COMPONENT SIDE)

RF & SERVO P.C.B. (VEP82241C)

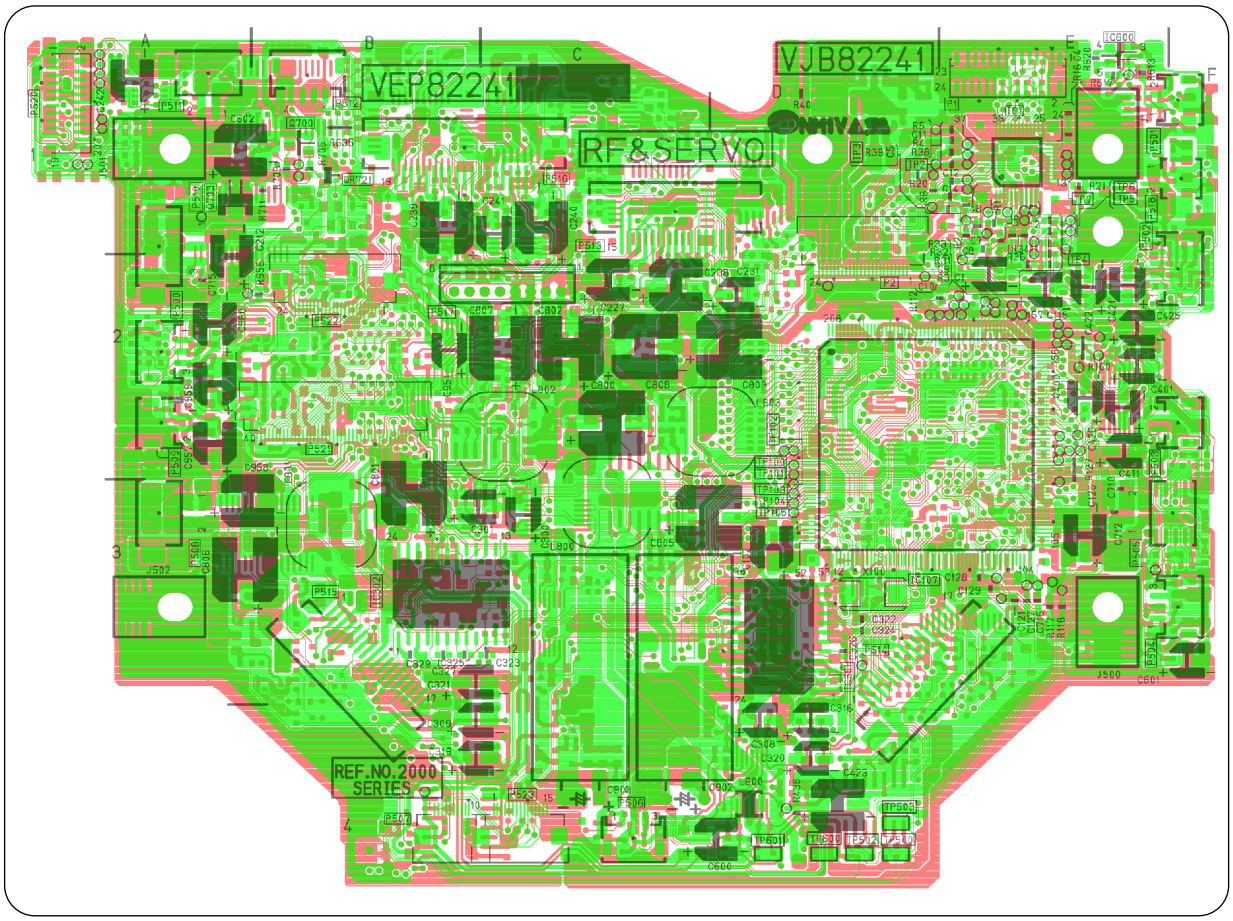
REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC
IC2	D1	IC204	B1	IC702	B3	Q704	E3	QR201	D2	QR709	B3	QR954	B2
IC3	D1	IC205	B2	IC703	A1	Q705	B3	QR600	C3	QR710	B3	TP1	A1
IC4	E1	IC206	C3	IC800	C3	Q800	C2	QR601	C3	QR711	A2	TP300	A1
IC5	E1	IC207	C1	IC900	C3	Q801	B3	QR602	E3	QR712	A2	TP301	A1
IC6	E1	IC208	D1	IC950	B2	Q802	C2	QR603	E3	QR713	E3	TP302	F1
IC100	E2	IC209	C1	Q200	C1	Q803	C2	QR604	B1	QR714	B3	TP400	A1
IC101	D3	IC300	C3	Q201	C1	Q900	C3	QR605	E1	QR715	B1	TP501	A1
IC102	D2	IC400	E2	Q202	D2	Q901	C3	QR700	B3	QR716	E3	TP950	A1
IC103	D2	IC401	F3	Q203	D2	Q950	B2	QR701	D3	QR717	B3	VR300	A1
IC104	E2	IC402	D3	Q400	E2	Q951	B2	QR702	D3	QR718	B1	VR301	A1
IC105	D3	IC403	D3	Q600	D3	Q952	B2	QR703	B3	QR719	E3	VR400	F1
IC106	D3	IC404	E2	Q601	F3	Q953	B2	QR704	B3	QR720	B3	VR401	F1
IC200	B2	IC601	E1	Q602	E1	Q954	A2	QR705	A2	QR950	B2	VR600	F1
IC201	C1	IC602	B1	Q603	F2	Q955	A2	QR706	A2	QR951	B2	VR601	F1
IC202	C1	IC700	B3	Q701	E3	QR100	E3	QR707	E3	QR952	B2		
IC203	B2	IC701	E3	Q702	A3	QR200	C1	QR708	E3	QR953	B2		



(FOIL SIDE)

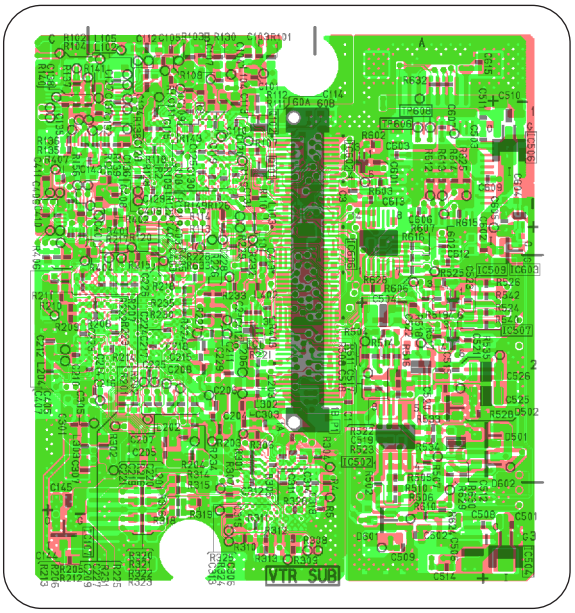
RF & SERVO P.C.B. (VEP82241C)

REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC
IC1	E1	P504	F3	P515	B3	TP2	D1	TP105	D3
IC107	D2	P505	F3	P516	B1	TP3	D1	TP500	D3
IC301	D3	P506	C3	P517	C2	TP4	E1	TP502	D3
IC302	B3	P507	B3	P518	F1	TP5	E1	TP503	D3
IC600	E1	P508	A3	P520	A1	TP6	E1	TP600	D3
P1	E1	P509	A2	P521	B2	TP7	E1	TP601	D3
P2	D1	P510	A1	P522	B2	TP100	D2		
P500	A2	P511	A1	P523	C3	TP101	D2		
P501	F1	P512	B1	Q700	B1	TP102	D3		
P502	F2	P513	C1	Q703	A1	TP103	D3		
P503	F2	P514	D3	QR721	B1	TP104	D3		

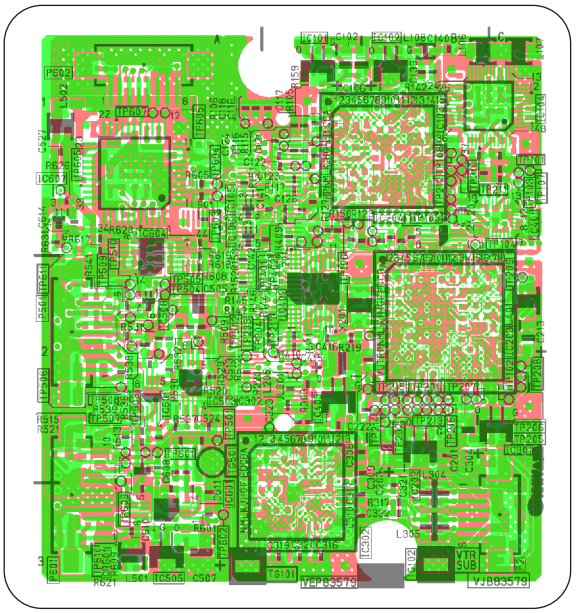


(COMPONENT SIDE)

VTR SUB P.C.B. (VEP83579A)

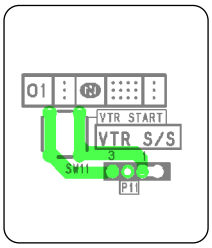


(FOIL SIDE)

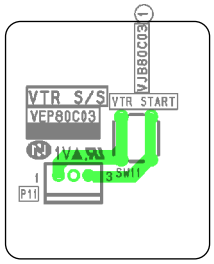


(COMPONENT SIDE)

VTR S/S P.C.B. (VEP80C03A)

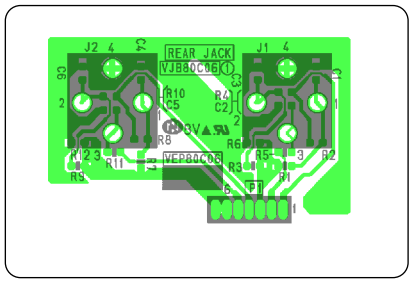


(FOIL SIDE)

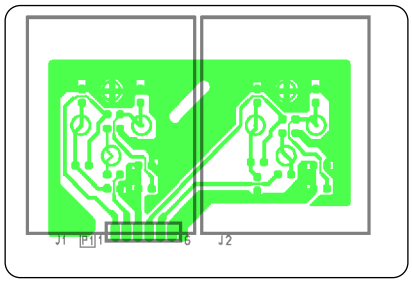


(COMPONENT SIDE)

REAR JACK P.C.B. (VEP80C06A) : FOR JAPAN)
(VEP80C06B) : EXCEPT JAPAN)

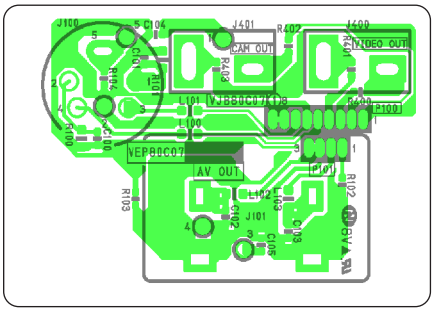


(FOIL SIDE)

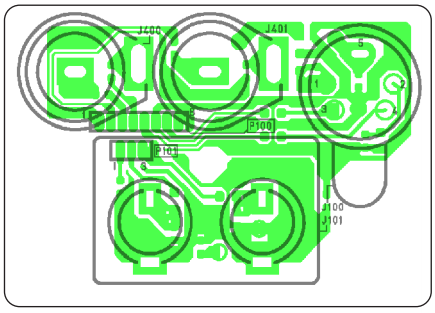


(COMPONENT SIDE)

AV OUT P.C.B. (VEP80C07B)

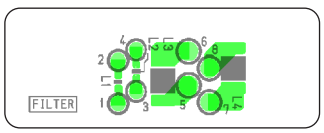


(FOIL SIDE)

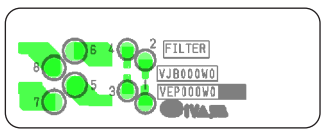


(COMPONENT SIDE)

FILTER P.C.B. (VEP000W0A)

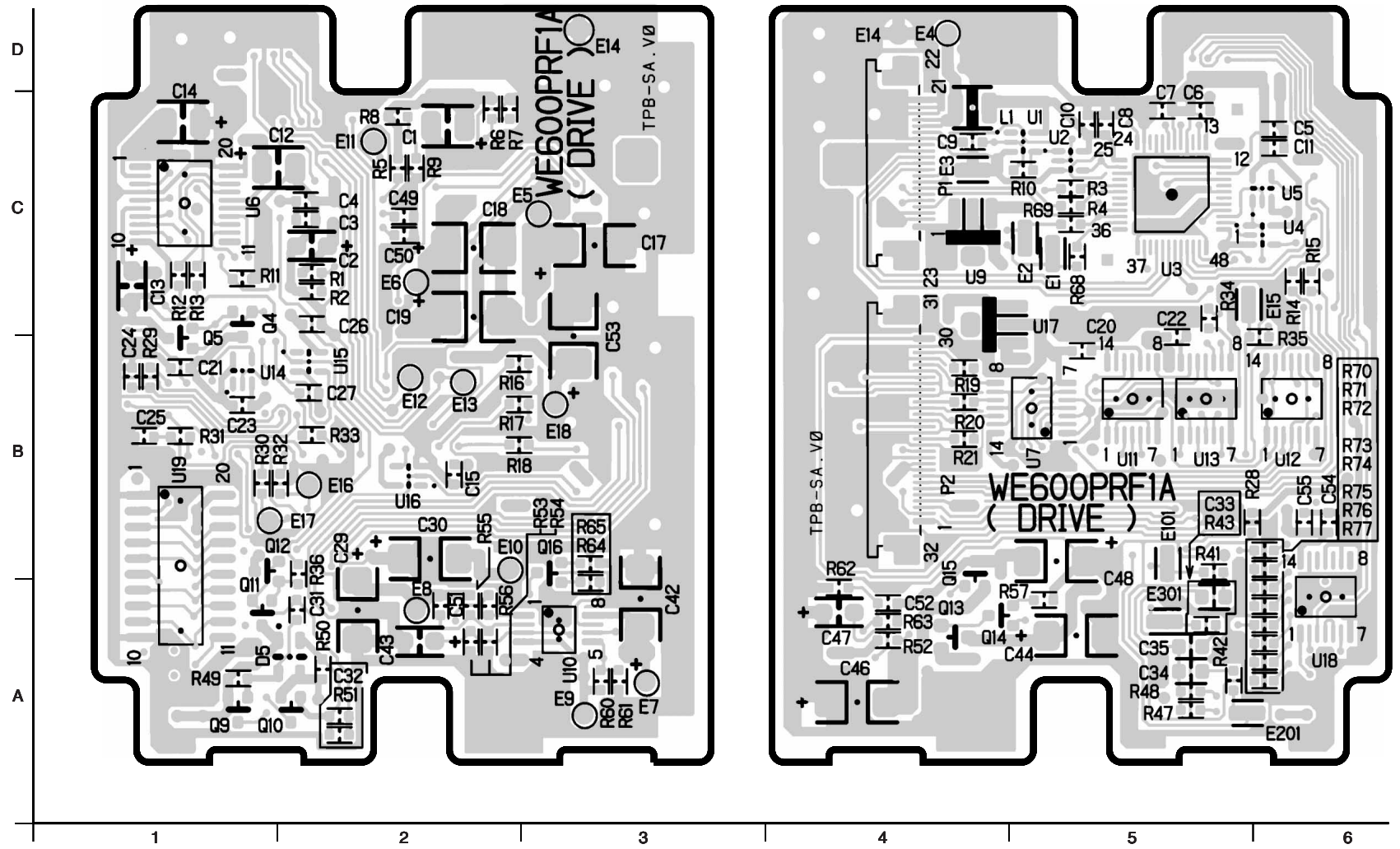


(FOIL SIDE)



(COMPONENT SIDE)

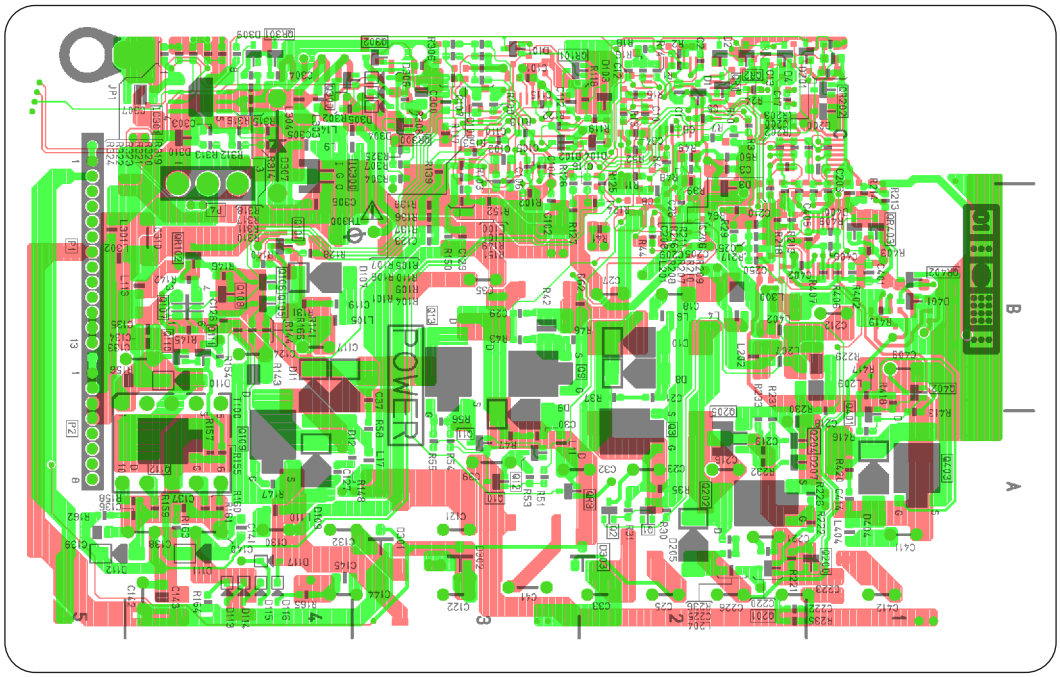
DRIVE P.C.B. (WE600PKF1C)



< INDEX >
DRIVE BOARD

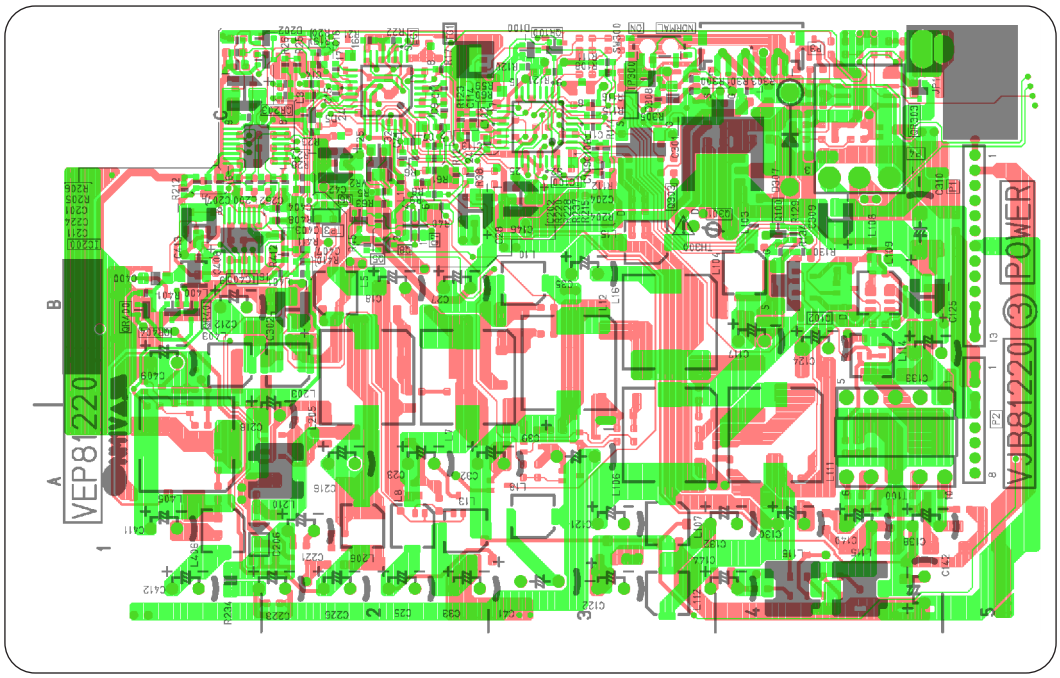
U1	C5
U2	C5
U3	C5
U4	C6
U5	C6
U6	C1
U7	B5
U9	C4
U10	A3
U11	B5
U12	B6
U13	B5
U14	B1
U15	B2
U16	B2
U17	C4
U18	A6
U19	B1
U20	â„ît
Q4	C1
Q5	B1
Q9	A1
Q10	A2
Q11	A1
Q12	B1
Q13	A4
Q14	A4
Q15	B4
Q16	B3
D5	B2

POWER P.C.B. (VEP81220C)



REF	LOC
IC300	B4
IC301	C4
Q1	A2
Q2	A2
Q3	A2
Q9	B3
Q10	A3
Q11	A3
Q12	A3
Q13	B3
Q101	B4
Q105	B4
Q106	B4
Q107	B4
Q108	B4
Q109	A4
Q110	B4
Q111	B4
Q112	A4
Q200	A1
Q201	A2
Q202	A2
Q204	A2
Q205	A2
Q300	C4
Q302	C3
Q401	A1
Q402	B1
Q403	A1
QR1	C2
QR2	C2
QR3	A3
QR101	C3
QR102	B4
QR202	C1
QR300	C3
QR301	C4
QR402	B1
QR403	B1

(FOIL SIDE)



REF	LOC
IC1	C2
IC100	C3
IC200	C1
IC400	B1
P1	C5
P2	B5
P3	C4
P4	C4
Q5	B2
Q6	B2
Q7	B2
Q8	B2
Q100	B4
Q102	B4
Q301	C4
Q303	C3
QR100	C3
QR203	C2
QR303	C4
QR400	B1
QR401	B1
QR404	B1
SW300	C3
TG1	C2
TP3	B2
TP300	C3
VR2	C2

(COMPONENT SIDE)

JAPAN ONLY

⚠ 警 告	
感電注意	ＡＣ100Vの加わっている活電部（充電部、活電部）に直接触れないでください。 ☞感電ややけどの可能性があります。

① ⚠警 告 ⚠印の部品は安全上重要な部品です。交換するときは、安全および性能維持のため必ず指定の部品をご使用ください。

② [ ] 内は充電部です。ＡＣ100Vが加わっておりますので点検、修理のときは感電しないよう充分ご注意下さい。

③ 部品交換時には、電源プラグをぬいてから行なってください。

④ 一次側（充電部）の電圧・波形は、一次側アースを基準に測定してください。

⑤ 部品品番は、部品価格表で確認の上交換ください。

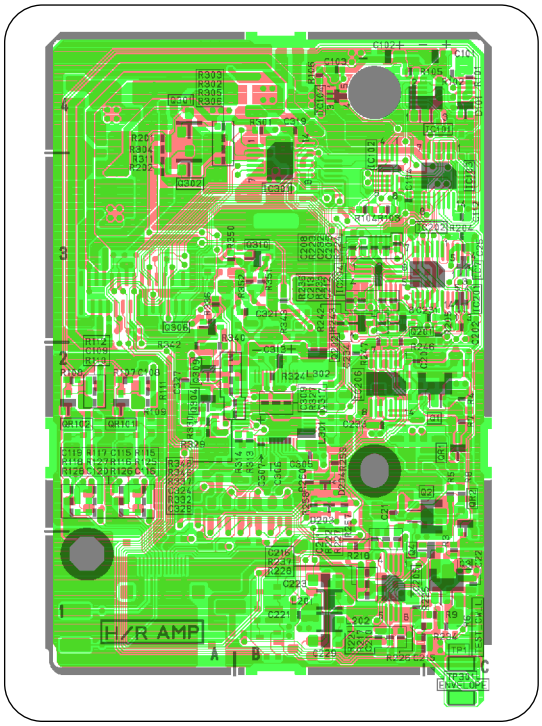
CAUTION

THE [ ] MARK INDICATES THE PRIMARY CIRCUIT TO DISTINGUISH THE PRIMARY FROM THE SECONDARY CIRCUIT.
PAY ATTENTION NOT TO RECEIVE AN ELECTRIC SHOCK DURING REPAIR AND SERVICE OF THE PRODUCTS.

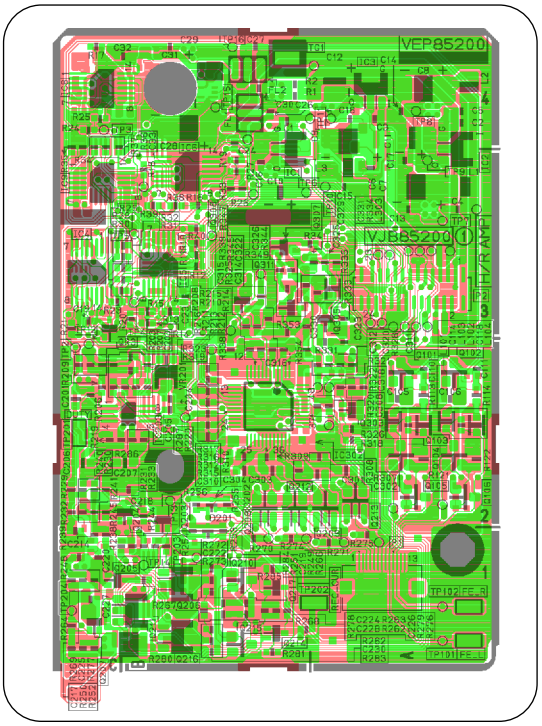
IMPORTANT SAFETY NOTICE:

Components identified with the mark ⚠ have the special characteristics for safety.
When replacing any of these components, use only the same type.

H/R AMP P.C.B. (VEP85200A)

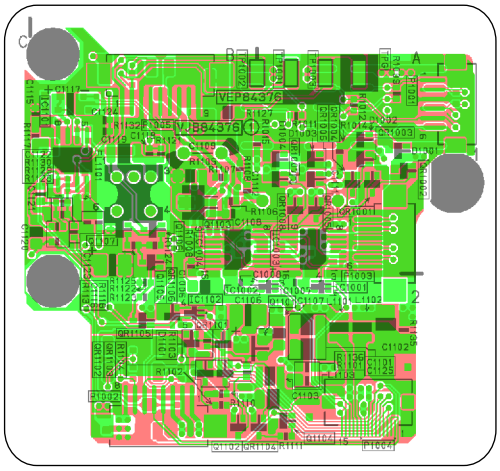


(FOIL SIDE)

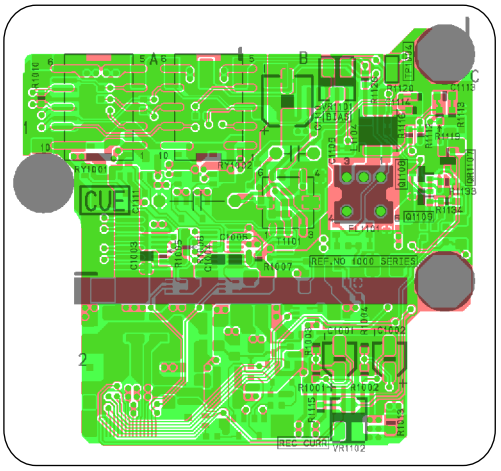


(COMPONENT SIDE)

CUE P.C.B. (VEP84376A)

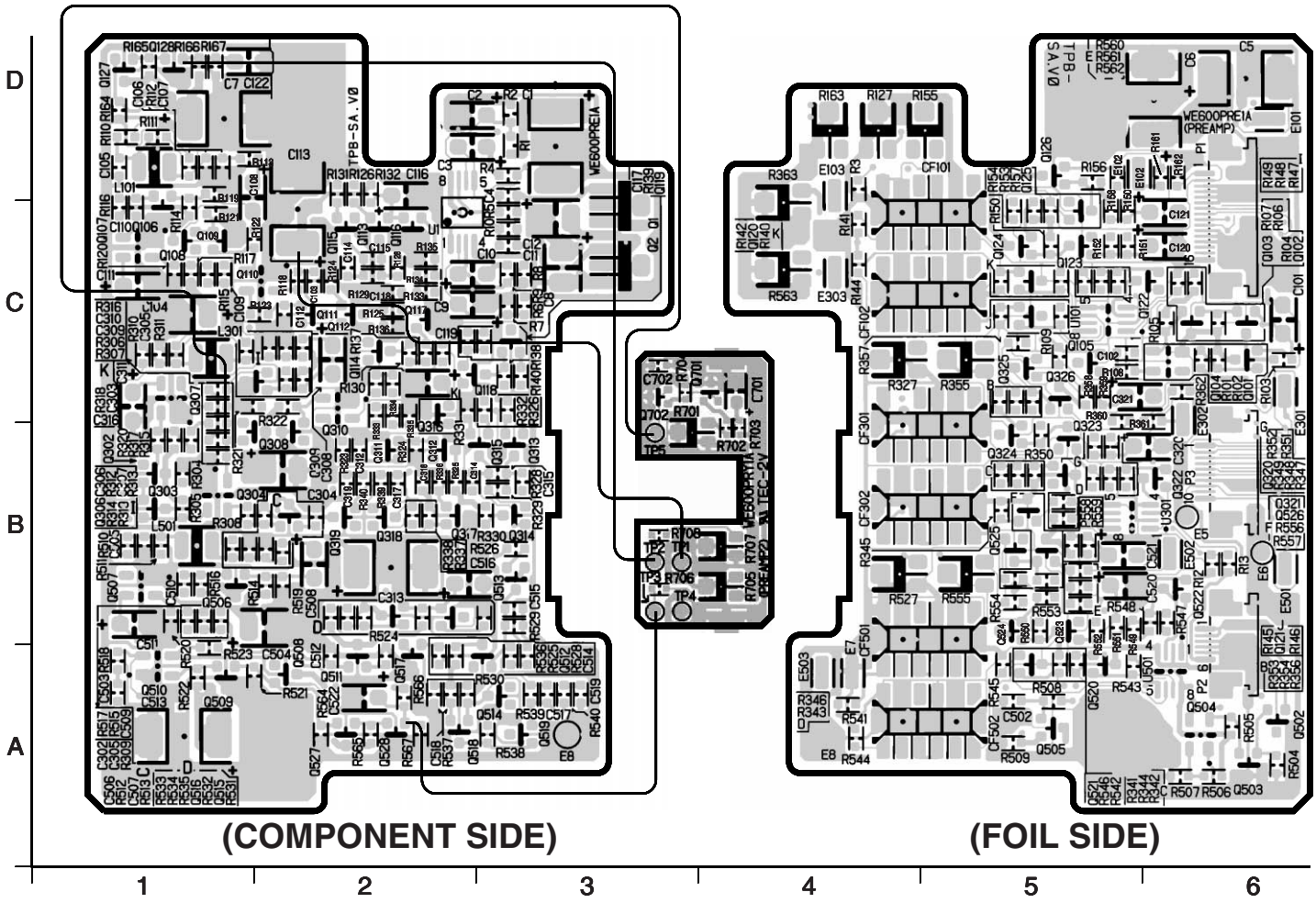


(FOIL SIDE)



(COMPONENT SIDE)

PREAMP2 P.C.B. (WE600PKY1A)
PREAMP P.C.B. (WE600EKE1B)



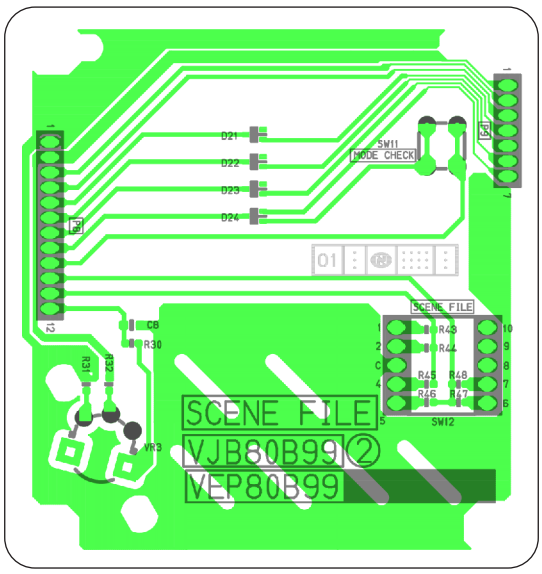
< INDEX >
PREAMP. BOARD

U1	C2	Q122	C6	Q323	B5	Q526	B5
U101	C5	Q123	C5	Q324	B5	Q527	A2
U301	B5	Q124	C5	Q325	C5	Q528	A2
U501	A6	Q125	C5	Q326	C5		
		Q126	D5	Q502	A6		
Q1	C3	Q127	D1	Q503	A6		
Q2	C3	Q128	D1	Q504	A6		
Q101	C6	Q302	B1	Q505	A5		
Q102	C6	Q303	B1	Q506	B1		
Q103	C6	Q304	B1	Q507	B1		
Q104	C6	Q305	B2	Q508	A2		
Q105	C5	Q306	C2	Q509	A1		
Q106	C1	Q307	C1	Q510	A1		
Q107	C1	Q308	B2	Q511	A2		
Q108	C1	Q309	B2	Q512	A3		
Q109	C1	Q310	C2	Q513	B3		
Q110	C2	Q311	B2	Q514	A3		
Q111	C2	Q312	B2	Q515	B2		
Q112	C2	Q313	B3	Q516	B2		
Q113	C2	Q314	B3	Q517	A2		
Q114	C2	Q315	B3	Q518	A2		
Q115	C2	Q316	C2	Q519	A3		
Q116	C2	Q317	B2	Q520	A5		
Q117	C2	Q318	B2	Q521	A5		
Q118	C2	Q319	B2	Q522	B6		
Q119	C3	Q320	B5	Q523	B5		
Q120	C5	Q321	B5	Q524	B5		
Q121	C5	Q322	B6	Q525	B5		

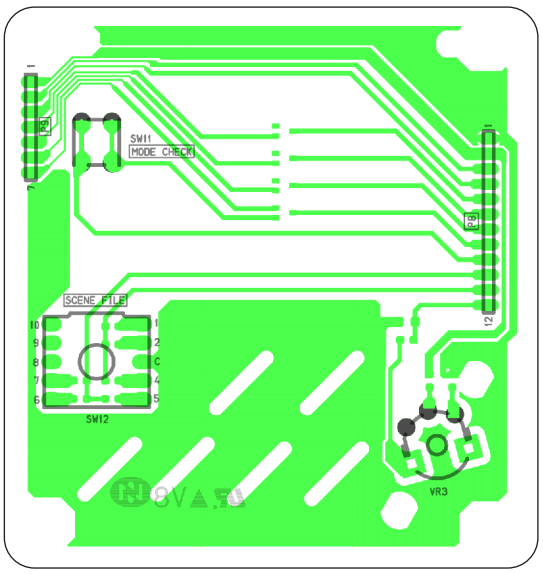
< INDEX >
PREAMP.–SUB BOARD

Q701	C4
Q702	C3

SCENE FILE P.C.B. (VEP80B99A)

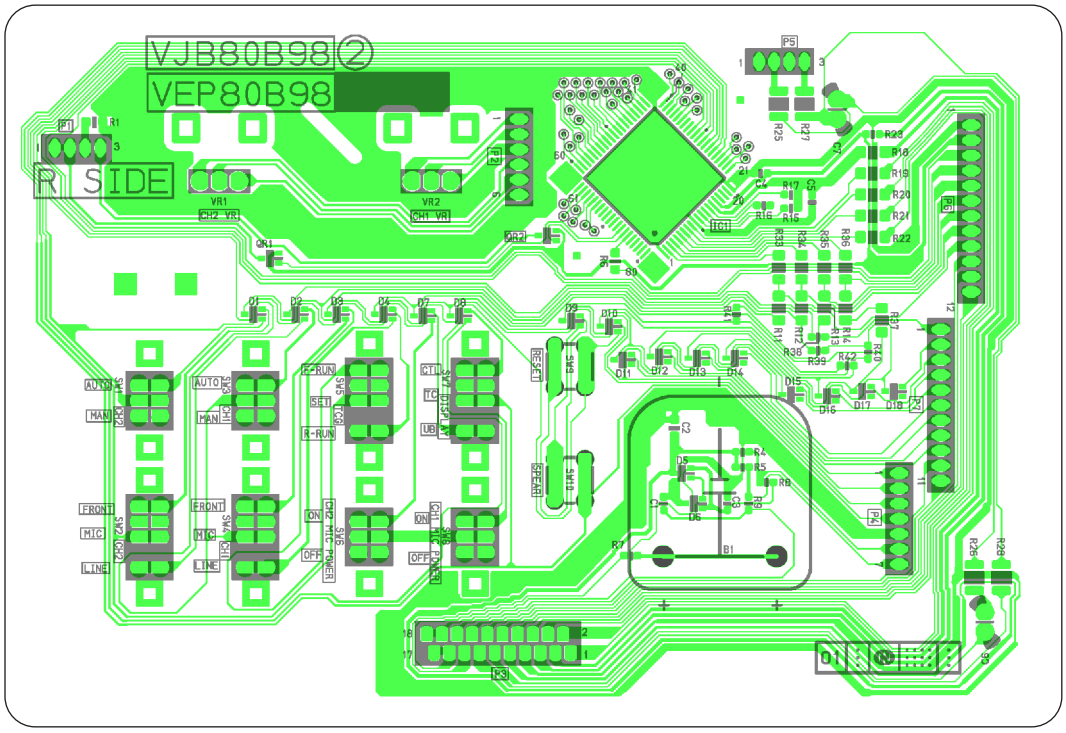


(FOIL SIDE)

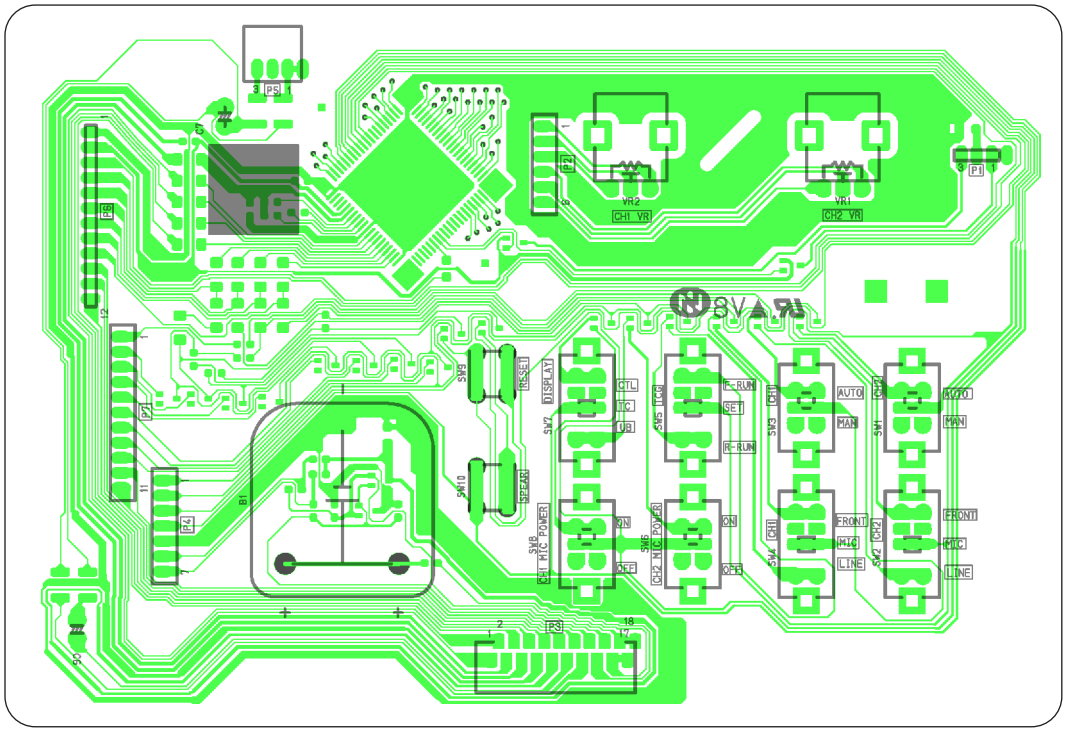


(COMPONENT SIDE)

R SIDE P.C.B. (VEP80B98A)

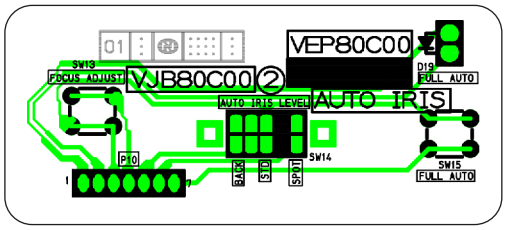


(FOIL SIDE)

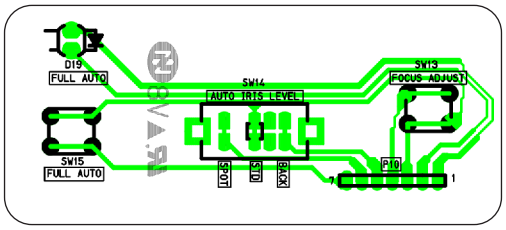


(COMPONENT SIDE)

AUTO IRIS P.C.B. (VEP80C00A)

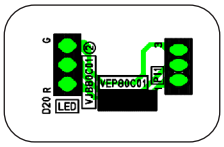


(FOIL SIDE)

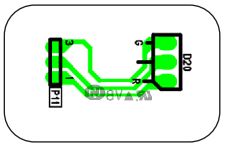


(COMPONENT SIDE)

LED P.C.B. (VEP80C01B)

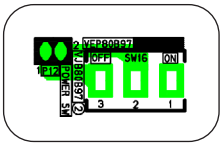


(FOIL SIDE)

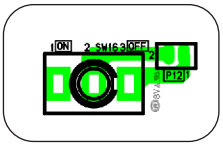


(COMPONENT SIDE)

POWER SW P.C.B. (VEP80B97A)

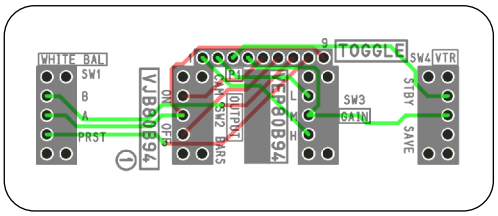


(FOIL SIDE)

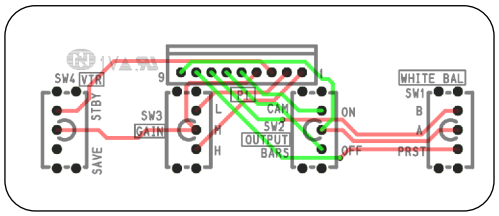


(COMPONENT SIDE)

TOGGLE SW P.C.B. (VEP80B94A)

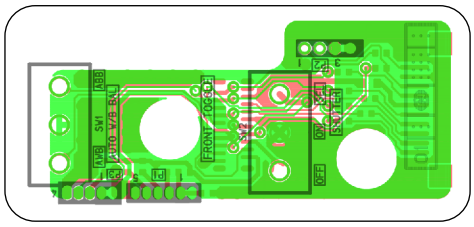


(FOIL SIDE)

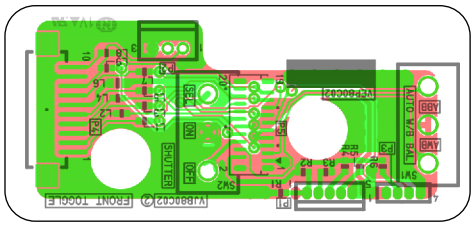


(COMPONENT SIDE)

FRONT TOGGLE SW P.C.B. (VEP80C02A)

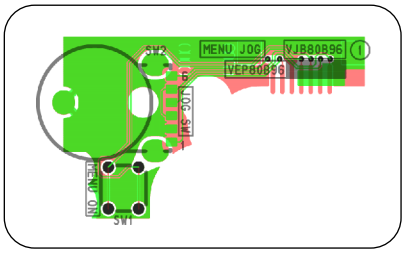


(FOIL SIDE)

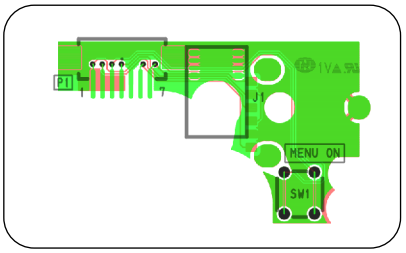


(COMPONENT SIDE)

MENU JOG P.C.B. (VEP80B96A)

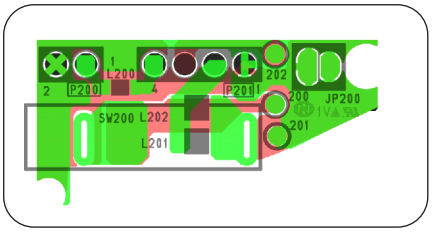


(FOIL SIDE)

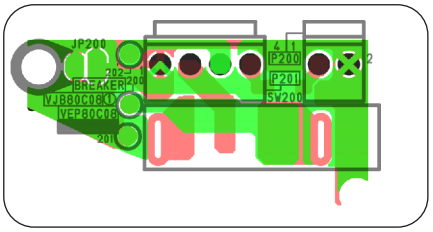


(COMPONENT SIDE)

BREAKER P.C.B. (VEP80C08A)

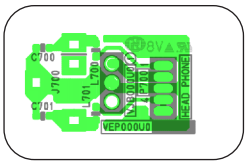


(FOIL SIDE)

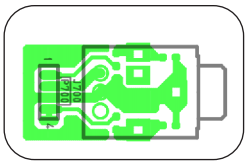


(COMPONENT SIDE)

HEAD PHONE P.C.B. (VEP000U0A)

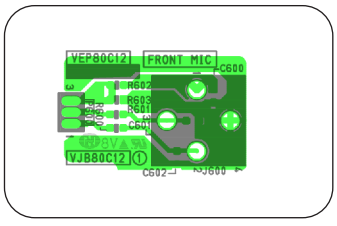


(FOIL SIDE)

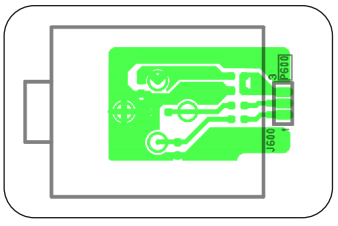


(COMPONENT SIDE)

FRONT MIC P.C.B. (VEP80C12A)



(FOIL SIDE)



(COMPONENT SIDE)

ORDER NO. BSD0109M019
D20

Service Manual

Sec. 1 *Service Information*
Sec. 2 *Disassembly Procedures*
Sec. 3 *Mechanical Adjustment Procedures*
Sec. 4 *Electrical Adjustment Procedures*
Sec. 5 *Block Diagrams*
Sec. 6 *Schematic Diagrams*
Sec. 7 *Circuit Board Diagrams*
Sec. 8 *Exploded Views & Parts List*

DVCPRO

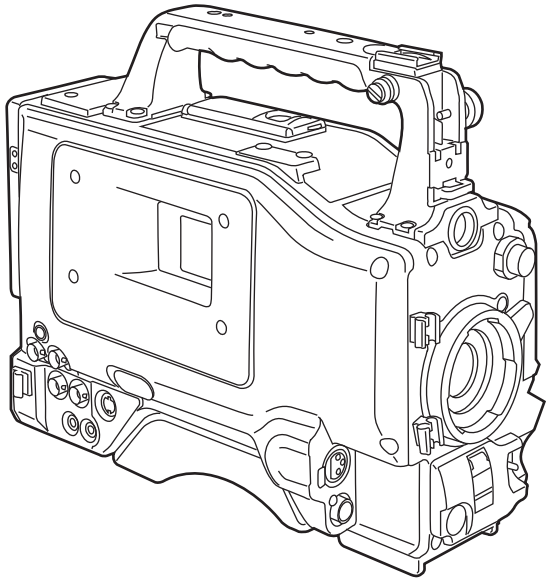
Digital Video Camera Recorder

AJ-D410AP

Refer to

BSD0103M901
DVCPRO MECHANISM
Version 2
for Mechanical Adjustment.

∗Only table of difference between DVCPRO MECHANISM Version 2 and AJ-D410AP for Mechanical Adjustment.



Panasonic®

© 2001 Matsushita Electric Industrial Co., Ltd. All rights reserved.
Unauthorized copying and distribution is a violation of law.□

Specifications

[GENERAL]

Power requirements: DC 12V (11.0 V to 17.0 V)
Power consumption: 20 W

▭ indicates safety information.

Operating temperature:	32 °F to 104 °F (0°C to +40°C)
Storage temperature:	–4 °F to 140 °F (–20°C to +60°C)
Operating humidity:	Less than 85% (relative humidity)
Continuous operating time:	Approx. 120 min. (continuous recording time using the TRIMPAC14 made by Anton Bauer)
Dimensions (W × H × D):	4-7/8″ × 7-1/2″ × 11-1/2″ (123 × 190 × 292 mm) (excluding grip)
Weight:	Approx. 7.1 lbs (3.2 kg) (main unit only)

[CAMERA UNIT]

Pickup device:	1/2-inch IT type CCD (410,000 pixels)
System:	RGB 3-CCD system
Total number of pixels:	811(H) × 508(V)
Number of effective pixels:	768(H) × 494(V)
Spectral system:	f/1.4 prism system
Internal filters:	1: 3200K (clear) 2: 5600K + 1/8ND 3: 5600K 4: 5600K + 1/64ND
Quantizing:	10 bits, non-linear
Sampling frequency:	14.31818 MHz (4 fsc)
Digital signal processing:	28.63636 MHz (8 fsc)
Horizontal drive frequency:	28.63636 MHz (8 fsc)
Programmable gain:	3 positions (L, M and H) selected from 0, 3, 6, 9, 12, 15, 18, 21, 24, 30, 36 dB
Shutter speed	Preset: 1/100, 1/120, 1/250, 1/500, 1/1000, 1/2000 Variable:1/60.3 to 1/250.0
Lens mount:	Bayonet type
Sensitivity:	F11 (2000 lux)
Minimum subject brightness:	0.5 lux (at f/1.4 +36 dB)
Video S/N ratio:	62 dB (standard)
Horizontal resolution:	800 lines (at center) (CAM OUT connector)
Registration:	Less than 0.05% (total area, lens distortion excluded)
Geometric distortion:	Negligible (lens distortion excluded)

Specifications

[VTR UNIT]

Video system

Recording format:	DVCPRO format
Sampling frequency	Y: 13.5 MHz
	P_B/P_R: 3.375 MHz
Quantizing:	8 bits

Audio system

Sampling frequency:	48 kHz (synchronized with video)
Quantizing:	16 bits
Frequency response:	20 Hz to 20 kHz

Tape transport system

Tape format:	L-size DVCPRO cassette tapes
Tape speed:	33.820 mm/sec.
Maximum recording time:	184 min. (using the AJ-P184LP)

[CONNECTOR SECTION]

Input

AUDIO IN CH1/CH2 (XLR × 2, 3 pins):	LINE/MIC/MIC+48V switching system
	MIC: –40, –50, –60 dBu menu-selectable
	LINE: –6, 0, +4 dBu menu-selectable
	MIC+48V: Phantom +48V supported
MIC IN (XLR, 3 pins):	MIC/MIC+48V switching system
	MIC: –40, –50, –60 dBu menu-selectable
	MIC+48V: Phantom +48V supported (menu-selectable)
GEN LOCK IN (BNC):	1.0 V[p-p], 75 Ω
TC IN (BNC):	0.5 to 8 V[p-p], high impedance

Output

CAMERA OUT (BNC):	1.0 V[p-p], 75 Ω
VIDEO OUT (BNC):	1.0 V[p-p], 75 Ω
S-VIDEO OUT (S connector)	Y signal: 1.0 V[p-p], 75 Ω
	C signal: 0.286 V[p-p], 75 Ω
AUDIO OUT CH1/CH2 (RCA × 2):	–6 dBu, low impedance, unbalanced
TC OUT (BNC):	2.0 V[p-p], low impedance

Other

DC IN (XLR, 4 pins, male):	DC 12 V (DC 11 V to 17 V)
DC OUT (4 pins):	DC 12 V (DC 11 V to 17 V), max. 1 A
PHONE OUT (stereo mini jack)	
LENS (multi-connector, 12 pins)	
EVF (multi-connector, 20 pins)	
REMOTE (ECU, 6 pins)	
Wireless (25 pins, D-SUB female)	

Specifications

[VIEWFINDER]
(Optional accessory AJ-VF15)

CRT:	1.5-inch high-resolution monochrome CRT
Video system:	525 lines, 60 fields
External controls	Controls: BRIGHT, CONTRAST, PEAKING
	Switches: TALLY HIGH/OFF/LOW, ZEBRA ON/ OFF

[ACCESSORIES]

- **Battery connector (including screws) for supporting Sony battery**
- **Battery holder (already installed on unit) for Anton Bauer products**
- **Microphone kit**
- **Tripod plate**
- **Shoulder strap**

[RELATED EQUIPMENT]

Power supply-related products

Battery packs:	AU-BP402
Battery chargers:	AG-B425
Battery case:	AU-M402H
AC adapter:	AJ-B75

Audio products

Microphone kit:	AJ-MC700
Microphone holder:	AJ-MH700

Maintenance products

Cleaning tape:	AY-CL12LP

SAFETY PRECAUTIONS

GENERAL GUIDELINES

1. When servicing, observe the original lead dress. If a short circuit is found, replace all parts which have been over-heated or damaged by the short circuit.
2. After servicing, see to it that all the protective devices such as insulation barriers, insulation papers shields are properly installed.
3. After servicing, make the following leakage current checks to prevent the customer from being exposed to shock hazards.

LEAKAGE CURRENT COLD CHECK

1. Unplug the AC cord and connect a jumper between the two prongs on the plug.
2. Measure the resistance value, with an ohm meter, between the jumpered AC plug and each exposed metallic cabinet part on the equipment such as screwheads, connectors, control shafts, etc. The resistance value must be more than 5M .

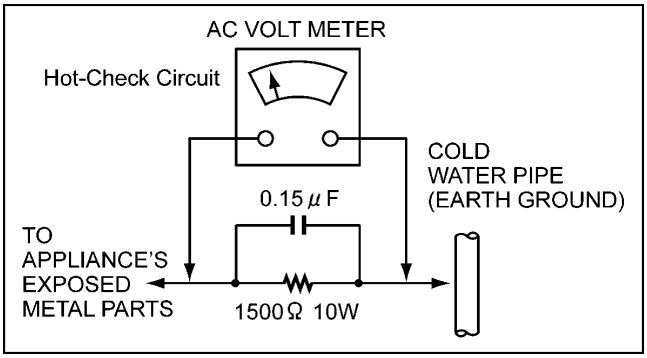


Figure1

LEAKAGE CURRENT HOT CHECK (See Figure 1)

1. Plug the AC cord directly into the AC outlet.
   Do not use an isolation transformer for this check.
2. Connect a 1.5k , 10W resistor, in parallel with a 0.15 F capacitor, between each exposed metallic part on the set an a good earth ground such as a water pipe, as shown in Figure1.
3. Use an AC voltmeter, with 1000 ohms/volt or more sensitivity, to measure the potential across the resistor.
4. Check each exposed metallic part, and measure the voltage at each point.
5. Reverse the AC plug in the AC outlet repeat each of the above measurements.
6. The potential at any point should not exceed 0.15 volts RMS. A leakage current tester (Simpson Model 229 equivalent) may be used to make the hot checks, leakage current must not exceed 0.1 milliamp. In case a measurement is outside of the limits specified, there is a possibility of a shock hazard, and the equipment should be repaired and rechecked before it is returned to the customer.

ELECTROSTATICALLY SENSITIVE (ES) DEVICES

Some semiconductor (solid state) devices can be damaged easily by static electricity. Such components commonly are called Electrostatically sensitive (ED) Devices. Examples of typical ES devices are integrated circuits and some field-effect transistors and semiconductor “chip” components. The following techniques should be used to help reduce the incidence of component damage caused by static electricity.

1. Immediately before handling any semiconductor component or semiconductor-equipped assembly, drain off any electrostatic charge on your body by touching a known earth ground.
   Alternatively, obtain and wear a commercially available discharging wrist trap device, which should be removed for potential shock reasons prior to applying power to the unit under test.
2. After removing an electrical assembly equipped with ES devices, place the assembly on a conductive surface such as alminum foil, to prevent electrostatic charge buildup or exposure of the assembly.
3. Use only a grounded tip soldering iron to solder or unsolder ES devices.
4. Use only an anti-static solder removal device classified as “anti-static” can generate electrical charges sufficient to damage ES devices.
5. Do not use freon-propelled chemicals. These can generate electrical charges sufficient to damage ES devices.
6. Do not remove a replacement ES device from its protective package until immediately before you are ready to install it.
   (most replacement ES devices are package with leads electrically shorted together by conductive foam, alminum foil or comparable conductive material).
7. Immediately before removing the protective material from the leads of a replacement ES device, touch the protective material to the chassis or circuit assembly into which the device will be installed.
   CAUTION : Be sure no power is applied to the chassis or circuit, and observe all other safety precautions.
8. Minimize bodily motions when handling unpackaged replacement ES devices. (Otherwise hamless motion such as the brushing together of your clothes fabric or the lifting of your foot from a carpeted floor can generate static electricity sufficient to damage an ES device).

X-RADIATION

WARNING

1. The potential source of X-radiation in EVF sets is the High Voltage section and the picture tube.
2. When using a picture tube test jig for service, ensure that jig is capable of handling 10kV without causing X-Radiation.

Note : It is important to use an accurate periodically calibrated high voltage meter.

3. Measure the High Voltage. The meter (electric type) reading should indicate 2.5kV,±0.15kV. If the meter indication is out of tolerance, immediate service and correction is required to prevent the possibility of premature component failure. To prevent an X-Radiation possibility, it is essential to use the specified picture tube.

- **Use a rain cover when the unit is to be used outdoors in rainy weather.**
- **Only L-size DVCPRO cassette tapes can be used with this camera recorder. Do not use standard size DV tapes or tapes of any other size.**

CAUTION
RISK OF ELECTRIC SHOCK DO NOT OPEN

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER SERVICEABLE PARTS INSIDE. REFER TO SERVICING TO QUALIFIED SERVICE PERSONNEL.

The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (service) instructions in the literature accompanying the appliance.

WARNING:

TO REDUCE THE RISK OF FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS EQUIPMENT TO RAIN OR MOISTURE.

CAUTION:

TO REDUCE THE RISK OF FIRE OR SHOCK HAZARD AND ANNOYING INTERFERENCE, USE THE RECOMMENDED ACCESSORIES ONLY.

CAUTION:

TO REDUCE THE RISK OF FIRE OR SHOCK HAZARD, REFER CHANGE OF SWITCH SETTING INSIDE THE UNIT TO QUALIFIED SERVICE PERSONNEL.

FCC Note:
This device complies with Part 15 of the FCC Rules. To assure continued compliance follow the attached installation instructions and do not make any unauthorized modifications.

This equipment has been tested and found to comply with the limits for a class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

Replace battery with part No. CR2032 only.
Use of another battery may present a risk of fire or explosion.
Caution—Battery may explode if mistreated.
Do not recharge, disassemble or dispose of in fire.



ATTENTION:
The product you have purchased is powered by a nickel cadmium battery which is recyclable. At the end of it's useful life, under various state and local laws, it is illegal to dispose of this battery into your municipal waste stream.
Please call 1-800-8-BATTERY for information on how to recycle this battery.

indicates safety information.

For your safety

■ **DO NOT REMOVE PANEL COVER BY UNSCREWING**
To reduce the risk of the electric shock, do not remove cover. No user serviceable parts inside. Refer servicing to qualified service personnel.

WARNING:
TO REDUCE THE RISK OF FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS EQUIPMENT TO RAIN OR MOISTURE.

CAUTION:
TO REDUCE THE RISK OF FIRE OR SHOCK HAZARD AND ANNOYING INTERFERENCE, USE THE RECOMMENDED ACCESSORIES ONLY.

Lithium Battery

Warning
The lithium battery in this equipment must only be replaced by qualified personnel. When necessary, contact your local Panasonic supplier.

"The lithium battery is a critical component (type number CR2032 manufactured by Panasonic).

It must never be subjected to excessive heat or discharge. It must therefore only be fitted in equipment designed specifically for its use.

Replacement batteries must be of the same type and manufacturer. They must be fitted in the same manner and location as the original battery, with the correct polarity connections observed.

Do not attempt to re-charge the old battery or re-use it for any other purpose. It should be disposed of in waste products destined for burial rather than incineration."

CAUTION
Danger of explosion if battery is incorrectly replaced.
Replace only with the same or equivalent type recommended by the equipment manufacturer. Discard used batteries according to manufacturer's instructions.

VARNING
Explosinsfara vid felaktigt batteribyte.
Använd samma batterityp eller en ekvivalent typ som rekommenderas av apparattillverkaren. Kassera använt batteri enligt fabrikantens instruktion.

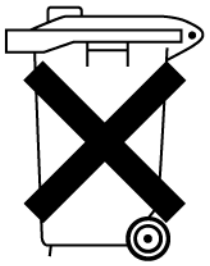
ADVARSEL!
Eksplosionsfare ved fejlagtig håndtering.
Udskiftning må kun ske med batteri af samme fabrikat og type. Levér det brugte batteri tilbage til leverandøren.

VAROITUS
Paristo voi räjähtää, jos se on virheellisesti asennettu.
Vaihda paristo ainoastaan laitevalmistajan suosittelemaan tyypiin. Hävitä käytetty paristo valmistajan ohjeiden mukaisesti.

Attention/Attentie

- This apparatus contains a lithium battery for memory back-up.
- For the removal of the battery at the moment of the disposal at the end of the service life please consult your dealer.
- Do not throw away the battery. Instead, hand it in as hazardous waste.

- Dit apparaat bevat een lithiumbatterij voor memory back-up.
- Raadpleeg uw leverancier over de verwijdering van de batterij op het moment dat u het apparaat bij einde levensduur afdankt.
- Gooi de batterij niet weg, maar lever hem in als KCA.



SECTION 1

SERVICE INFORMATION

CONTENTS

1. Service Menu INF-1
  1-1. Method of Displaying Service Menu Main Page INF-1
    1-1-1. MAIN menu INF-1
    1-1-2. SUB menu [FLARE/GAMMA] INF-1
    1-1-3. SUB menu [WHITE SHADING] INF-1
    1-1-4. SUB menu [CAMSYS MENU] INF-2
    1-1-5. SUB menu [VTR SERVICE 1/2] INF-2
    1-1-6. SUB menu [VTR SERVICE 2/2] INF-2
    1-1-7. SUB menu [INITIALIZE] INF-3
    1-1-8. SUB menu [EVR DATA] INF-3
    1-1-9. SUB menu [ERROR LOG] INF-3
    1-1-10. SUB menu [SERVICE VERSION] INF-4
    1-1-11. SUB menu [FACTORY INITIALIZE] INF-4
2. Method of Checking Error Rate INF-4
3. Method of Displaying Software Version and Hour Meter INF-5
  3-1. Preparation for the updating INF-5
    3-1-1. Parts needed for writing the flash memories INF-5
    3-1-2. Installing the flash memory version up software INF-5
    3-1-3. Cable connection INF-5
    3-1-4. Setting WRITE SELECT SW INF-5
  3-2. Procedure of writing VTR system control software INF-6
  3-3. Procedure of writing SERVO control software INF-7
  3-4. Procedure of writing Camera control software INF-7
4. Emergency Eject INF-9
5. CPLD Version Upgrade Procedure INF-10
  5-1. CPLD Version up Method 1 (ALTERA) INF-10
6. Compensating CCD white blemishes INF-15
7. Auto Off List INF-17
8. Cleaning Method INF-18
  8-1. Cleaning video heads INF-18
  8-2. Cleaning drum lead INF-18
  8-3. Cleaning pinch roller and capstan INF-18
  8-4. Cleaning posts INF-18
9. Internal Switch Setting INF-19
10. Circuit Board Layout INF-20

1. Service Menu

1-1. Method of Displaying Service Menu Main Page

Set the WHITE BAL SW to “PRST” and OUT PUT SW to “BARS”.

Press the MENU button so that view finder display is ON.

Turn the AUTO W/B BAL SW to AWB side and hold it. Press the MENU button once and release.

Release the AUTO W/B BAL SW. Press the JOG dial button three times to enter SERVICE menu.

1-1-1. MAIN menu

```
→ NEXT **** SERVICE ****
      FLARE/GAMMA..
      WHITE SEADING..
      DEFECT COMPENSATION
      VTR SERVICE 1/2..
      VTR SERVICE 2/2..
      INITIALIZE..
      EVR DATA..
      ERROR LOG..
      SERVICE VERSION..
      FACTORY INITIALIZE..
```

Each item in the MAIN menu is the index to open the SUB menu of the item.

1-1-2. SUB menu [FLARE/GAMMA]

```
→▲< FLARE/GAMMA >

      R FLARE          :100
      G FLARE          :100
      B FLARE          :100
      R GAMMA          :+00
      B GAMMA          :+00
      R GAIN           :+00
      B GAIN           :+00
      WHITE CLIP       :105%
      M.PED ADJ        :+00
```

Menu contents [FLARE/GAMMA]

Item	Variable Range	Initial value	Content
R FLARE	-128 to +127	+00	Varying Rch flare
G FLARE	-128 to +127	+00	Varying Gch flare
B FLARE	-128 to +127	+00	Varying Bch flare
R GAMMA	-15 to +15	+00	Varying Rch gamma
B GAMMA	-15 to +15	+00	Varying Bch gamma
R GAIN	-30 to +30	+00	Varying Rch gain
G GAIN	-30 to +30	+00	Varying Bch gain
WHITE CLIP	95% to 110%	105%	White Clip Adjustment
M.PED ADJ	-10% to +10%	+00%	Master Pedestal Adjustment

1-1-3. SUB menu [WHITE SHADING]

```
→▲< WHITE SHADING >

      WHITE SHADING     :READY
      WHITE COMPE       :READY
```

Menu contents [WHITE SHADING]

Item	Content
WHITE SHADING	Activating AUTO WHITE SHADING
WHITE COMPE	Activating White Shading Compensation

1-1-4. SUB menu [CAMSYS MENU]

```
→ ▲< CAMSYS MENU >

    DEFECT COMPENSATION  :OFF
    RAM EDITOR           :OFF
    AUTO ADJUST          :OFF
```

Menu Contents [CAMSYS MENU]

Item	Variable Range	Initial Value	Content
DEFECT COMPEN-SATION	ON / OFF	ON	DEFECT COMPENSATION MENU ON / OFF
RAM EDITOR	ON / OFF	ON	RAM EDITOR MENU ON / OFF
AUTO ADJUST	ON / OFF	ON	AUTO ADJUST MENU ON / OFF

This menu is used when servicing.
Settings are always ON when normal use.

1-1-5. SUB menu [VTR SERVICE 1/2]

```
→ ▲< VTR SERVICE 1/2 >

    CONCEAL          :ON
    INNER ECC        :ON
    OUTER ECC        :ON
    VITERBI          :ON
    BER ADJ          :ON
    BER SPEED        :SLOW
    BER RESULT       :2.7 3.4
    AUTO EQ          :ON
    AUTO ADJ         :OFF
    SERVO MODE       :ATF
    TRK VAL          :+000
```

Menu contents [VTR SERVICE 1/2]

Item	Variable range	Initial value	Content
CONCEAL	ON/OFF	ON	Concealment
INNER ECC	ON/OFF	ON	Inner error correction
OUTER ECC	ON/OFF	ON	Outer error correction
VITERBI	ON/OFF	ON	Viterbi detection/ decoding
BER ADJ	ON/OFF	OFF	Error rate detection
BER SPEED	SLOW :60 flames FAST :10 flames	SLOW	Error rate detection mode
BER RESULT	Lch/Rch	------	Switching error rate display
AUTO EQ	ON/OFF	ON	AUTO EQ
AUTO ADJ	ON/OFF	OFF	Automatic Adjustment of equalizer
SERVO MODE	ATF/CTL	ATF	Servo mode selection
TRK VAL	-128 to +128	+000	Tracking VR

1-1-6. SUB menu [VTR SERVICE 2/2]

```
→▲< VTR SERVICE 2/2 >

    T TORQUE         :0
    S TORQUE         :0
    PG SHIFT         :READY
    HSW_A_RISE       :1564
    HSW_A_FALL       :1564
    RP GAIN          :-40
    RP LIN           :OFF
    T/S PHOTO        :T0.0V/S0.0V
    SERVO MODE       :ATF
    TRK VAL          :+000
    X VAL SET        :OFF
    X VAL ADJ        :+000
```

Menu contents [VTR SERVICE 2/2]

Item	Variable range	Initial Value	Content
T TORQUE	+ 000	------	T-side reel torque adjustment
S TORQUE	+ 000	------	S-side reel torque adjustment
PG SHIFT	READY/ ACTIVE/ OK	------	PGMM adjustment
HSW_A_ RIZE	0 to 4096	1565	Display of PGMM adjustment Result

Item	Variable range	Initial value	Content
HSW_A_FALL	0 to 4096	1565	Display of PGMM adjustment Result
PR GAIN	-128 to +128	0	ATF gain adjustment
PR LIN	OFF/ON	OFF	ATF linearity
T/S PHOTO	-128 to +128	0.0V to 3.3V	Photo sensor level display
SERVO MODE	ATF/CTL	-	Servo mode selection
TRV MODE	-128 to +128	-	Tracking VR
X VAL SET	OFF/ON	-	Electrical Adjustment of the X-value
X VAL ADJ	-128 to +128	-	Measurement of the X-value

1-1-7. SUB menu [INITIALIZE]

```
→ ▲< INITIALIZE >

   DRUM RUN RESET    :READY
   THREADING RESET   :READY
```

Menu contents [INITIALIZE]

Item	Content
DRUM RUN RESET	DRUM RUN hour meter reset
THREADING RESET	THREADING hour meter reset

1-1-8. SUB menu [EVR DATA]

```
→ ▲< EVR DATA >
     (01)XX  (02)XX  (03)XX  (04)XX
     (05)XX  (06)XX  (07)XX  (08)XX
     (09)XX  (0A)XX  (0B)XX  (0C)XX
     (0D)XX  (0E)XX  (0F)XX  (10)XX
     (11)XX  (12)XX  (13)XX  (14)XX
     (15)XX  (16)XX  (17)XX  (18)XX
     (19)XX  (1A)XX  (1B)XX  (1C)XX
     (1D)XX  (1E)XX  (1F)XX  (20)XX
     (21)XX  (22)XX  (23)XX  (24)XX

   D/A ADDRESS          :01
   D/A DATA             :XX
```

Menu contents [EVR DATA]

Item	Content
D/A ADDRESS	Data address
D/A DATA	Data value

1-1-9. SUB menu [ERROR LOG]

```
→ ▲< ERROR LOG >
     FILE No.          :1
     LOG ALL CLEAR     :OFF
     ERR CODE/SEQ      :E-** **
     DATE              :2001.01.01
     TIME              :12:34:56
     OPE TIME          :000000Hr
     TAPE TOTAL        :200min
     TAPE REMAIN       :100min
     BATTERY           :1
     OBJ/MODE          000012:34:50
     000012:34:52      000012:34:50
     000012:34:56      000012:34:55
```

Menu contents [ERROR LOG]

Item	Variable range	Content
FILE No.	1 to 5/OFF	File No.
LOG ALL CLEAR	ON/OFF	ON: Deleting LOG DATA
ERR CODE /SEQ	E-** **	Error code, Sequence No.
DATE	2001.01.01	YY. MM. DD
TIME	12:34:56	Time
OPE TIME	000010Hr	Operating time
TAPE TOTAL	200min	Total length of tape
TAPE REMAIN	100min	Remaining amount of tape
BATTERY	1:Normal 1-F:Near End 7-F:End	The amount of battery rest
OBJ/MODE	000012:34:50	1st & 2nd digits OBJECT 3rd & 4th digits MODE 5th to 12th digits Time of occurrence

1-1-10. SUB menu [SERVICE VERSION]

```
→ ▲< SERVICE VERSION >
   VTR SOFT REV.          :V*.****a
   E600 Ver               :AWE***
```

Menu Contents [SERVICE VERSION]

Item	Variable range	Content
VTR SOFT REV.	V*.****a	"VTR SYSTEM CONTROL" Software Version
E600 Ver	AWE***	"CAMERA SYSTEM CONTROL" Software Version

1-1-11. SUB menu [FACTORY INITIALIZE]

```
→ ▲< FACTORY INITIALIZE >
   SYSTEM FULL INIT       : READY
```

Menu Contents [FACTORY INITIALIZE]

Item	Content
SYSTEM FULL INIT	Initializing all system data

2. Method of Checking Error Rate

The error rate of this unit can be checked by the following steps:

(1) Set the following items in SUB menu [VTR SERVICE 1/2] as follows:

Setting	
CONCEAL	OFF
INNER ECC	OFF
OUTER ECC	OFF
BAR ADJ	ON
VITERBI	ON
BER ADJ	ON
BER SPEED	SLOW
AUTO EQ	ON
SERVO MODE	ATF

(2) Measure BAR RESULT in SUB menu [VTR SERVICE 2/2] under the following operating conditions:

Measuring condition	Error rate spec.	
	L ch	R ch
Color bar alignment tape Playback	3.5 or less	3.5 or less
Camera color bar self recording/playback		

(Caution) If the measured BAR RESULT is out of specification (3.5 or less), the error rate display blinks.

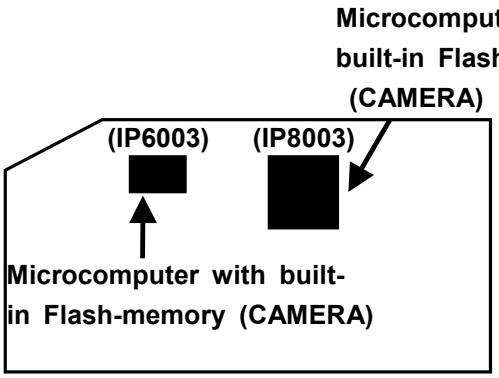
3. Method of Displaying Software Version and Hour Meter

Method of Updating Software

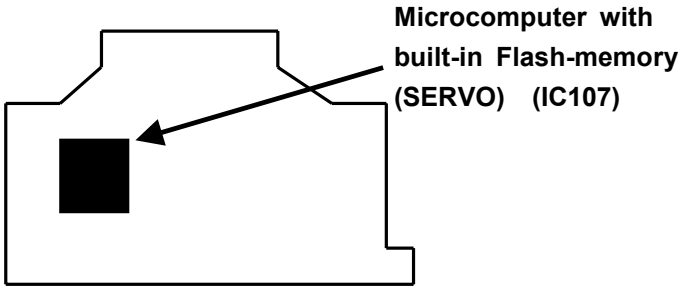
MAIN P.C.B. and SERVO P.C.B. (VTR SYSCON, SERVO, and CAMERA) have the microcomputers with built-in flash memory.

To update the microcomputer software version, flash memory version up software for each is used.

MAIN P.C.B. (parts side)



SERVO P.C.B. (parts side)



3-1. Preparation for the updating

3-1-1. Parts needed for writing the flash memories

Flash memory version up software

System control microcomputer →**"VFK1248E"**

Servo control microcomputer →**"VFK1503"**

Camera control microcomputer →**"FWC2"**

Personal computer with Microsoft Windows® 95/98

RS-232C cable (9-pin cross cable)

3-1-2. Installing the flash memory version up software for the updating

Make a copy of the contents of above version up software under an arbitrary directory of the personal computer. (After the files have been executed, "INI" files may be created under the same directory as the program files. The "INI" files can be either left as they are or deleted.)

Program files

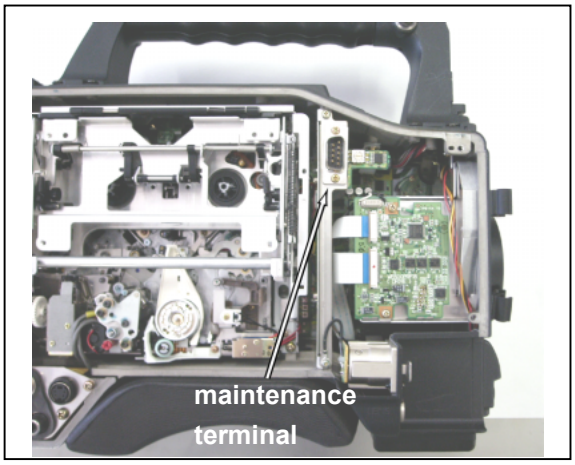
System control microcomputer → **"VSI2312E.EXE"**

Servo control microcomputer → **"fw103u.exe"**

Camera control microcomputer → **"FWC2.exe"**

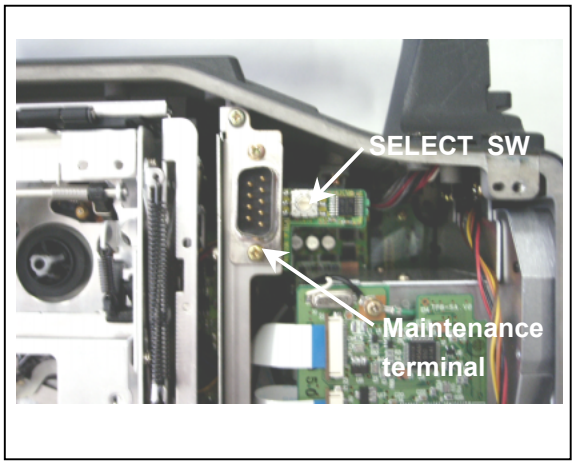
3-1-3. Cable connection

Turn off the power for the main unit, and connect the maintenance terminal on the lateral side of the main unit and the microcomputer with the RS-232C cable (9-pin cross cable).



3-1-4. Setting WRITE SELECT SW

Change the setting of WRITE SELECT SW above the maintenance terminal according to the flash memory to be written.



Number	Name	Functional description
0	NORMAL	Connection OFF position
1	CAMERA WR 1	Writing camera software (1)
2	CAMERA WR 2	Writing camera software (2)
3	SERVO WR	Writing servo software
4	VTR RESERVE	(VTR reserve)

5	VTR WR	VTR system control software
6	SERVO RESERVE	(Servo reserve)
7 to 9	NC	Not used.

(Notes)

In the normal state (after the writing has been finished and power turned OFF), set the position to "0".

Do not change the setting of the SELECT SW during the normal operation.

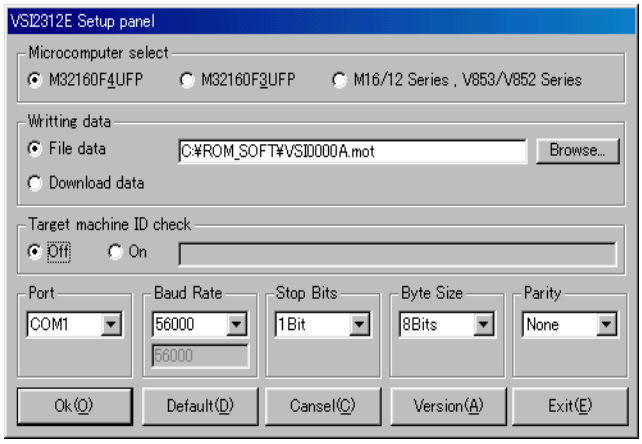
Do not turn off the power or disconnect the cable while writing the software.

Do not change the setting of the SW to other than the position 1 and 2 while writing the software.

Do not change the setting of the SW to other than the specified set position while writing the software.

3-2. Procedures of writing VTR system control software

1. Make sure that the power of the Camera/VTR is turned OFF.
2. Change the setting of the WRITE SELECT SW to "5".
3. Connect the personal computer and the Camera/ VTR with the RS-232C cable (9-pin cross cable).
4. Turn ON the power for the Camera/VTR.
5. Press EJECT button and make sure that the cassette does not lift up at that time. (If the cassette lifts up, check whether the cable is properly connected and the SW is set to the right position.)
6. Start the flash-memory version up software "VS12312E.EXE". (Double-click the program file "VS12312E.EXE" that was copied under the arbitrary directory.)
7. After the program file has up, VSI2312E Setup Panel window opens.

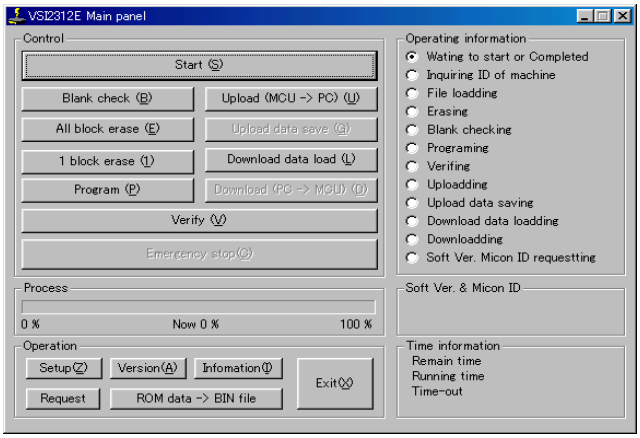


8. Make the following settings in the "VSI2312E Setup Panel" window:

- Microcomputer Select →**"M32160F4UP"**
- Writing data →**"*******.mot"**

(By using "Browse" button.., select a update file, MOT file.)

- Port →**"232C connection port"**
- Baud Rate →**"56000"**
- Stop Bits →**"1Bit"**
- Byte Size →**"8Bits"**
- Parity →**"None"**



9. Click "Start(S)" button on the "VSI2312E Main Panel" window.
   (If this process is to be stopped, click "Exit(X)" button. When returning to "VSI2312E Setup Panel" window, click "Setup(Z)" button.)
10. After the flash memory has been erased, the new software is written in. During the writing process, the proceeding of the writing can be confirmed in the Process indicator. If the writing does not proceed for any reason, click "Emergency stop(C)" button to stop the processing, and check the connection and the settings again.
11. When the flash memory has been erased and written in, the Process indicator reaches 100%, and "Waiting to Start or Completed" message in the "Operating information" section is checked.
12. Turn OFF the power for the Camera/VTR, disconnect the cable, and return the WRITE SELECT SW to its original position "0".
13. Confirm that the version of the new software is indicated at DIAG menu.

3-3. Procedures of writing SERVO control software

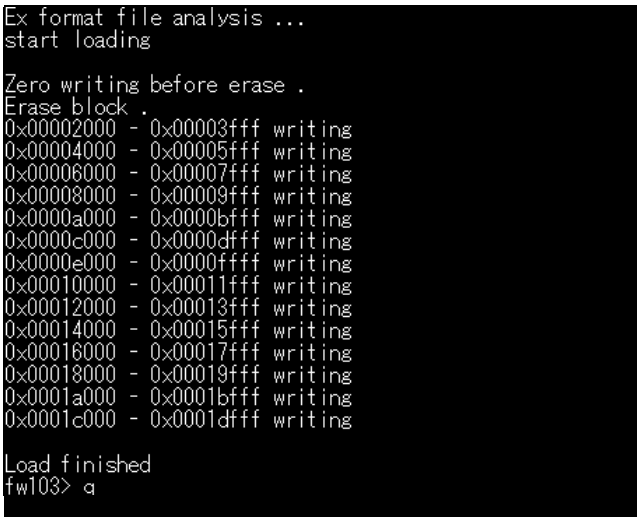
1. Make sure that the power for the Camera/VTR is turned OFF.
2. Change the setting of the WRITE SELECT SW to “3”.
3. Connect the personal computer and the Camera/ VTR with the RS-232C cable (9-pin cross cable).
4. Turn ON the power for the Camera/VTR.
5. Press EJECT button and make sure that the cassette does not lift up at that time. (If the cassette lifts up, check whether the cable is properly connected and the SW is set to the right position.)
6. Copy the servo version up software (VFK1503) and the new servo microcomputer software into the same directory of the personal computer. (The following four files.)

   Version up software (VFK1503) “fw103u.exe”
   Servo microcomputer software “vsiXXXX.obf”
   “vsiXXXX.bat”
   ”vsiXXXX.ex”

7. Double Click the **“VSIXXXX.bat”** file at the explorer window to start flash memory update.
8. When the following window appears, type “Y” and click ENTER button. (While the program is being written in, the proceeding is indicated on the personal computer screen.)



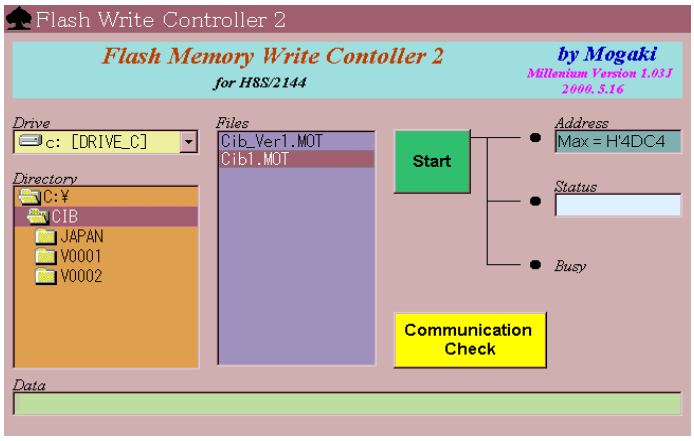
9. When “Load finished” message appears, the writing has been completed.



10. Turn OFF the power for the Camera/VTR, disconnect the cable, and return the WRITE SELECT SW to its original position “0”.
11. Confirm that the version of the new software is indicated at DIAG menu.

3-4. Procedures of writing Camera control software

1. Make sure that the power for the Camera/VTR is turned OFF.
2. Change the setting of the WRITE SELECT SW to “1”.
3. Connect the personal computer and the Camera/ VTR with the RS-232C cable (9-pin cross cable).
4. Turn ON the power for the Camera/VTR.
5. Press EJECT button and make sure that the cassette does not lift up at that time. (If the cassette lifts up, check whether the cable is properly connected and the SW is set to the right position.)
6. Start the flash-memory version up software “FWC2.exe”.
7. After the program file has started up, “Flash Write Controller 2” window opens.
8. Select a new Camera control software, MOT file, and read it in. After the file has been read in, Start button appears.



9. Clicking “Communication Check” button changes the color from yellow to green and the remark changes to “Check O.K”. Now, the preparation for writing the software has been completed. (If the color and the remark do not change, check the hardware. Because another communication software may be using the communication port, exit all the other communication software.)
10. After the “Check O.K.” remark has appeared, turn the WRITE SELECT SW to “2”, and click “Start” button to start the writing. The remark change during the writing as follows:

Address:	Indicates the write address during the writing at green.
Status:	Indicates the writing status. “Go” means the data reception is possible.
Busy:	If the data transmission stops for a long time, Busy becomes yellow.
Data:	Data transmitted in the serial communication during the writing.

11. When the writing has completed, “Write O.K.” message appears in blue at the Status field, and “Check O.K.” button changes to yellow.
12. Turn OFF the power for the Camera/VTR, disconnect the cable, and return the WRITE SELECT SW to its original position “0”.
13. Confirm that the version of the new software is indicated at DIAG menu.

(Notes)

1. Turn off the screen saver of the personal computer.
2. Exit the software in which messages appear at the foremost of the screen (E-mail arrival, and the like).
3. Do not touch the personal computer or the Camera/VTR after starting the writing.
4. Never turn off the power for the personal computer or the Camera/VTR while writing software.
5. If any ERROR appears, click the writing software with the mouse to bring it forward without making haste, and click “Start” button. Never exit the writing software.

4. Emergency Eject

In the event that a cassette is not ejected by pressing EJECT button, take the following Emergency Eject procedures.

1. Turn OFF the power.
2. Remove the rubber cap and insert a Phillips Screwdriver to the cross-shaped recess of the EMERGENCY screw (red) as shown in the figure below:



3. While pushing the EMERGENCY screw with the screwdriver, turn the screw counterclockwise until the cassette is ejected.
   - The screw must be turned about 20 turns before the tape unloading begins.
   - The screw must be turned about 90 turns from the beginning of the tape unloading to the cassette eject.
4. Take out the cassette.
5. Attach the rubber cap again.

<Caution>

- Do not turn the EMERGENCY screw except in emergency.
- Do not turn the EMERGENCY screw clockwise. Also, do not turn the screw farther after the cassette has been ejected. Otherwise, the mechanism may be broken down.
- After the cassette has been ejected, the cassette holder can not be locked even if it is pushed to close. Turn on the power to reset the action of the mechanism, and then close the cassette holder.
- Click sounds occur during the time when the EMERGENCY screw is turned. These sounds occur while the reel is driven and they are not abnormal.

5. CPLD Version Upgrade Procedures

The AJ-D410AP uses **CPLDs**. At the time of a version upgrade, use the special tool, connect the respective connection connectors, and use the CPLD writing software.

5-1. CPLD Version up Method 1 (ALTERA)

A. Preparation

ITEM	REMARK
C PLD WRITER	VFK1590 VFK1590P2 (VFK1590 standard)
D-sub 25pin-25pin Cable	Straight (Male - Female), Length : Within 1meter
Version Upgrade Software	MAX+plus II Software (Please Download from www.altera.com/support/devices/programing/sup-asap2.html)
Version Upgrade Data	TDF File or POF (Include in “vsi xxxx” file)
Personal Computer	WINDOWS 95® or 98®

B. Connection

1. Connect the D-sub Cable between CN201(for ALTERA) connector of the CPLD WRITER (VFK1590) and Personal Computer (Printer port).
2. Connect the CPLD WRITER Cable (VFK1590P2) between P17 connector on MAIN PCB of AJ-D410AP and P2 connector of CPLD WRITER. (Refer to Figure 2-2-2.)
3. Turn on AJ-D410A and Personal Computer (Windows mode).

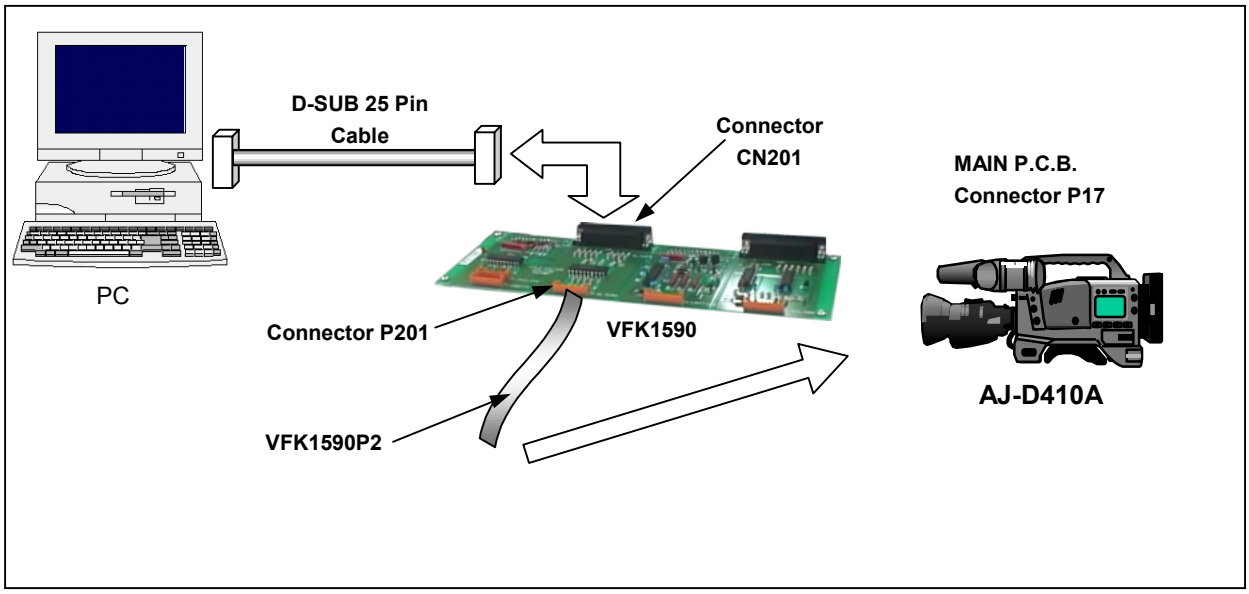
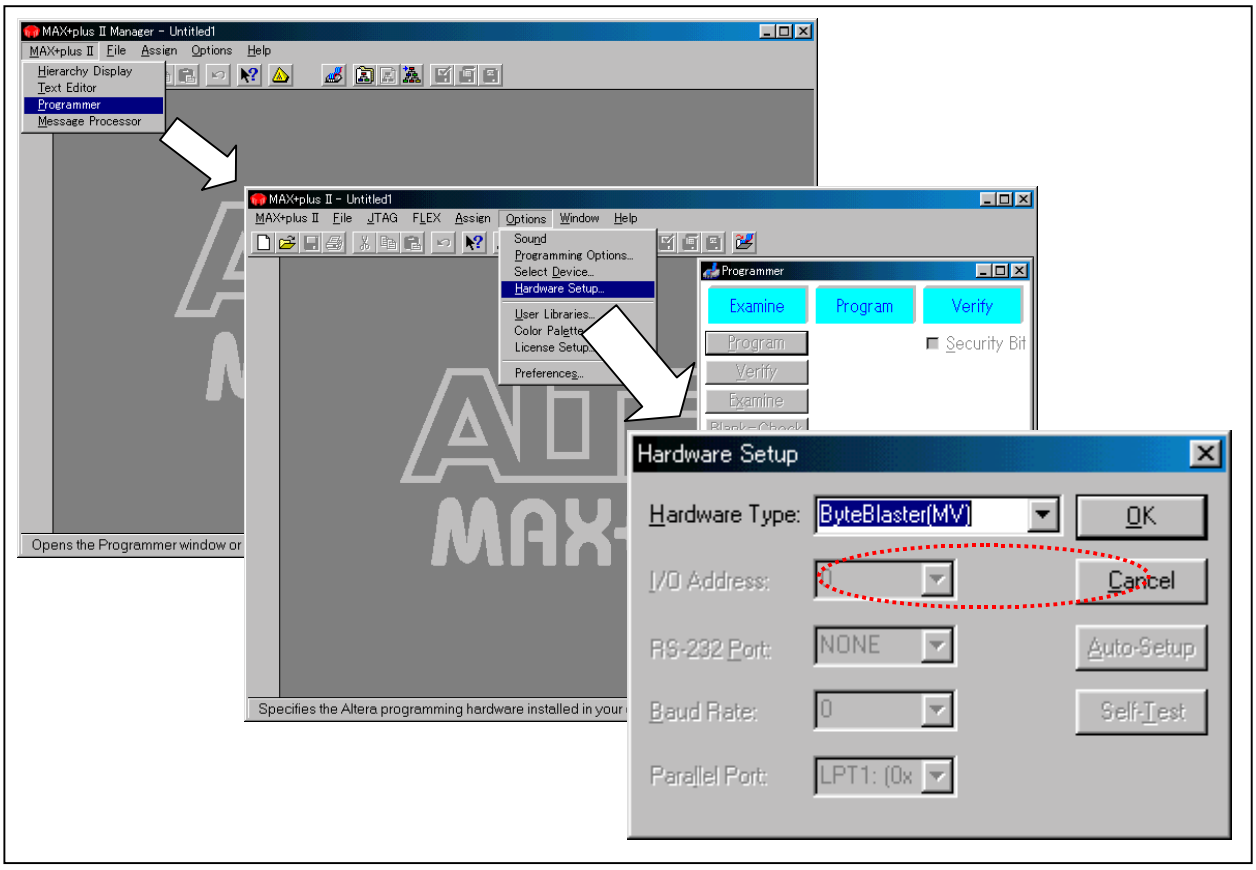


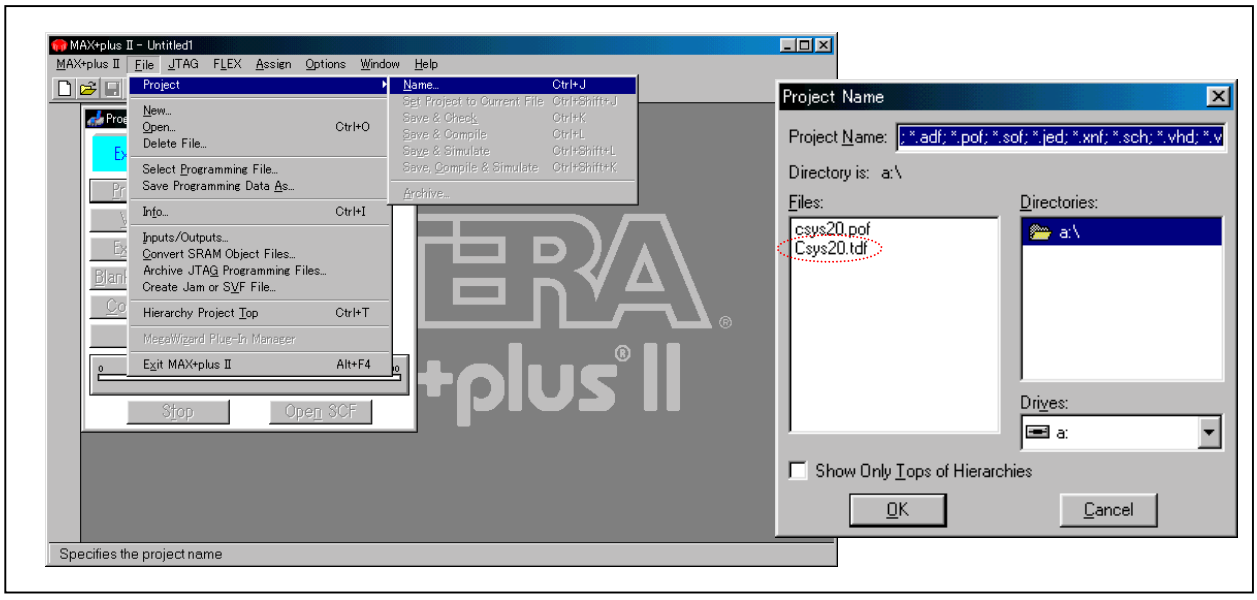
Figure 2-2-2 Connection for CPLD version up

C. Boot up the Ver. up Software and Ver. up Procedure

1. Boot up the **"MAX+plus II 9.6 programmer only"** Software.
2. On main window, select tab **"MAX+plus II"** and then **"Programmer"**.
3. On main window (Programmer window is displayed), select tab **"Option"** and then **"Hardware Setup"**.
4. On **Hardware Setup** dialog, set the **"Hardware Type"** to **"Byte Blaster (MV) "**.



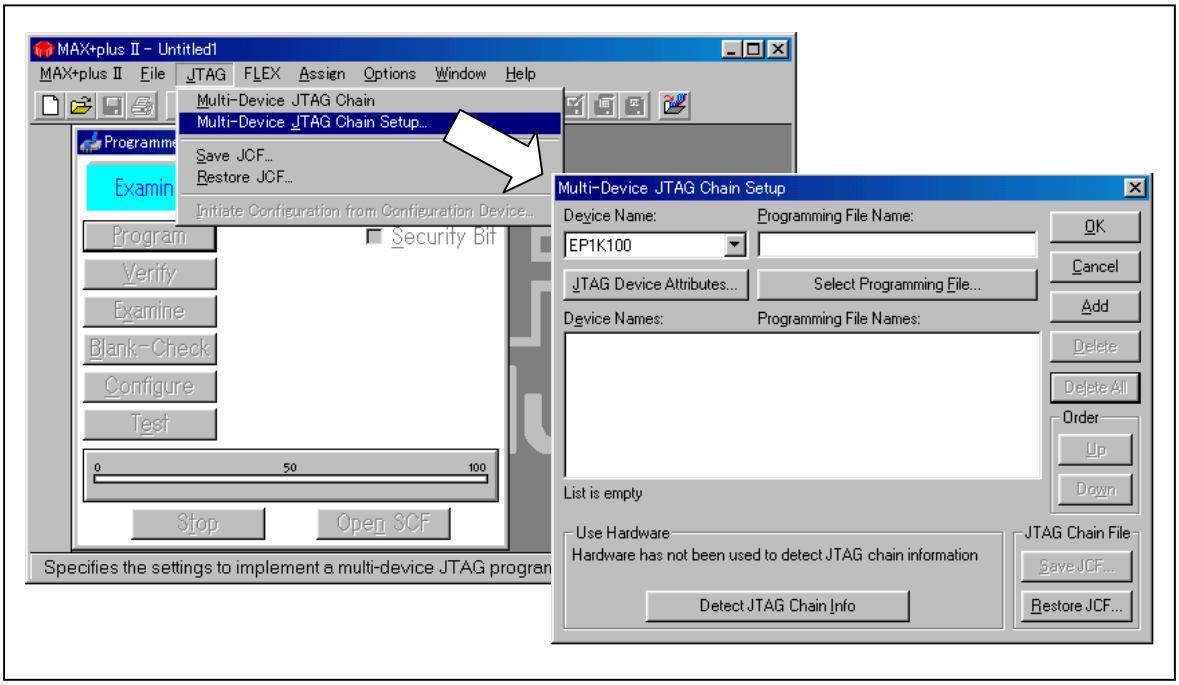
5. On main window, select tab **"File"**, **"Project"** and then **"Name"**.
6. On dialog of **Project Name**, select the **"tdf format file"** or **"pof format file"** and then press **"OK"** button.



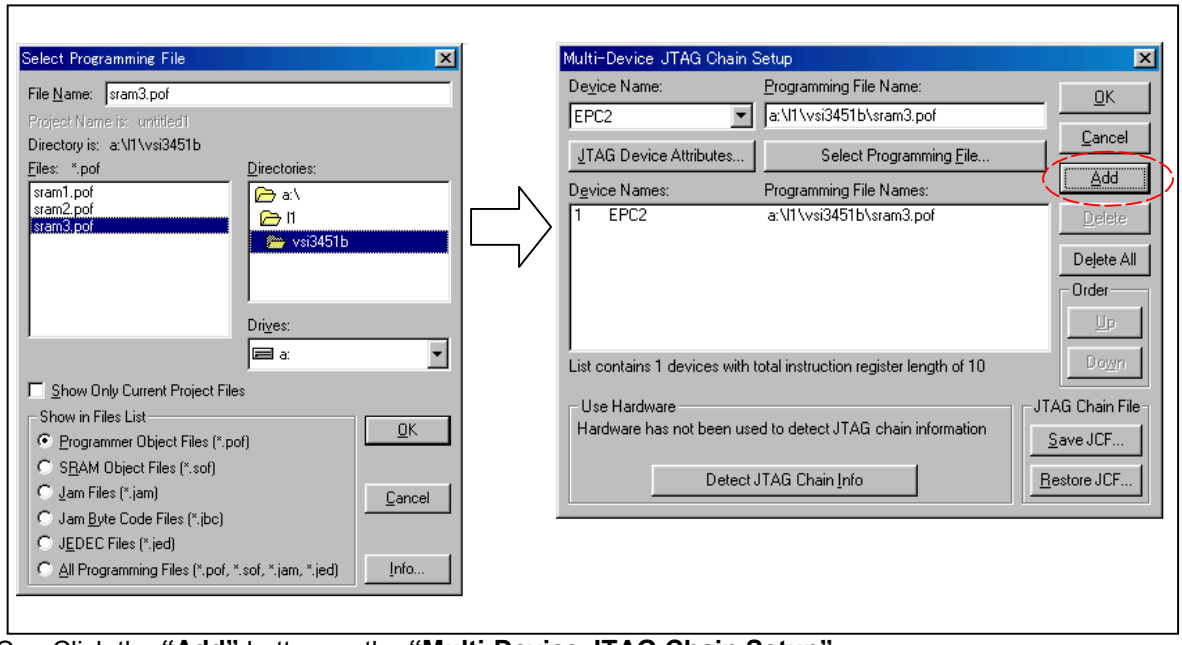
<Reference : Creation of chain file>

Use a **"chain file (in jcf format)"** for write-operation when a PCB includes several PLDs.
If no chain file has been created, create a chain file by the following procedures. (Example of L1 PCB)

A. Select **"Multi-Device JTAG Chain Setup"** on the main screen to display the **"Multi-Device JTAG Chain Setup"** screen.

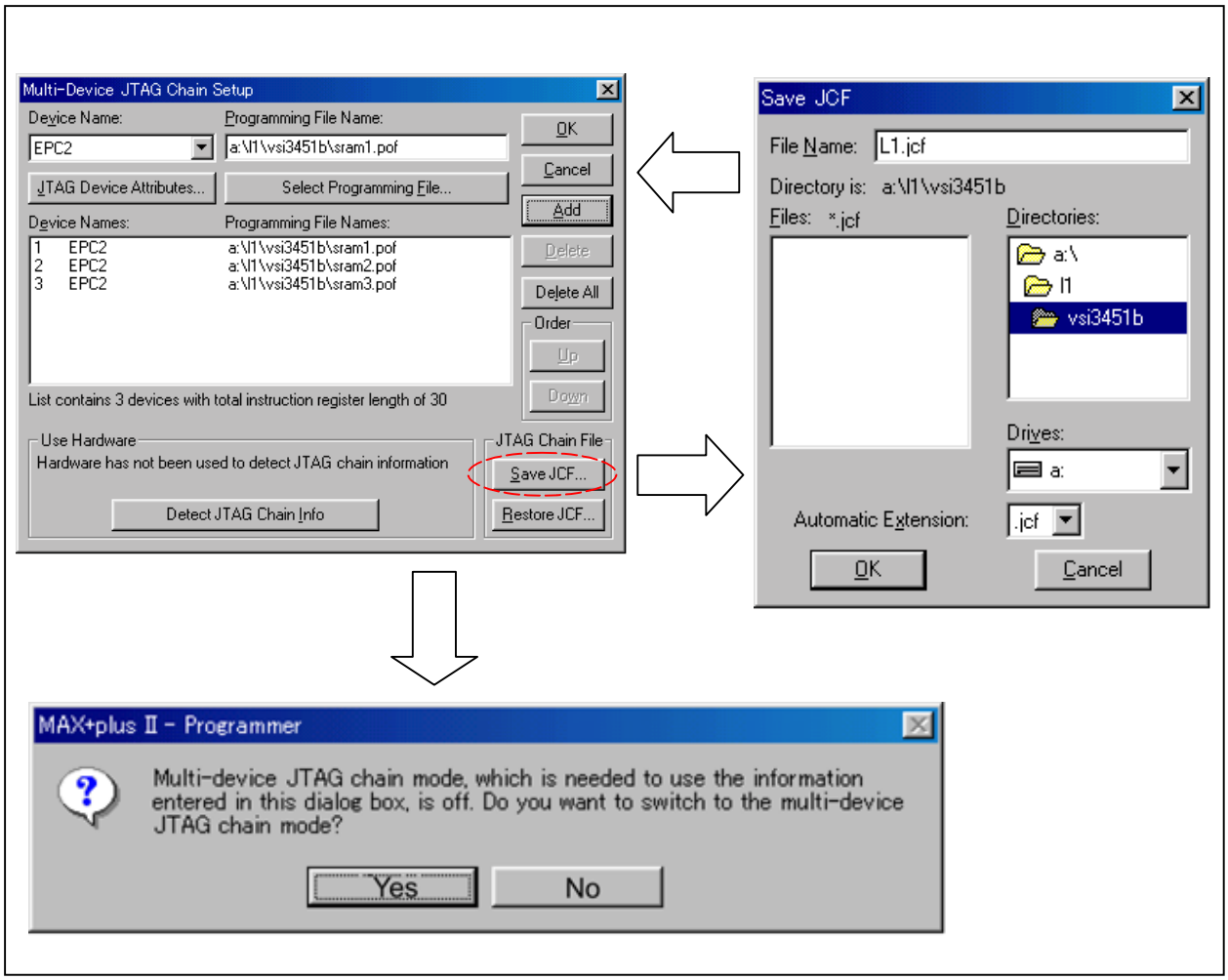


B. Click the **"Select Programming File"** button to display the **"Select Programming File"** screen. Next, select the drive which has software, and select the **"pof"** file. If three pof files can be seen as shown below, select a file in order of larger number, and click the **"OK"** button. Then, the **"Multi-Device JTAG Chain Setup"** screen is displayed.

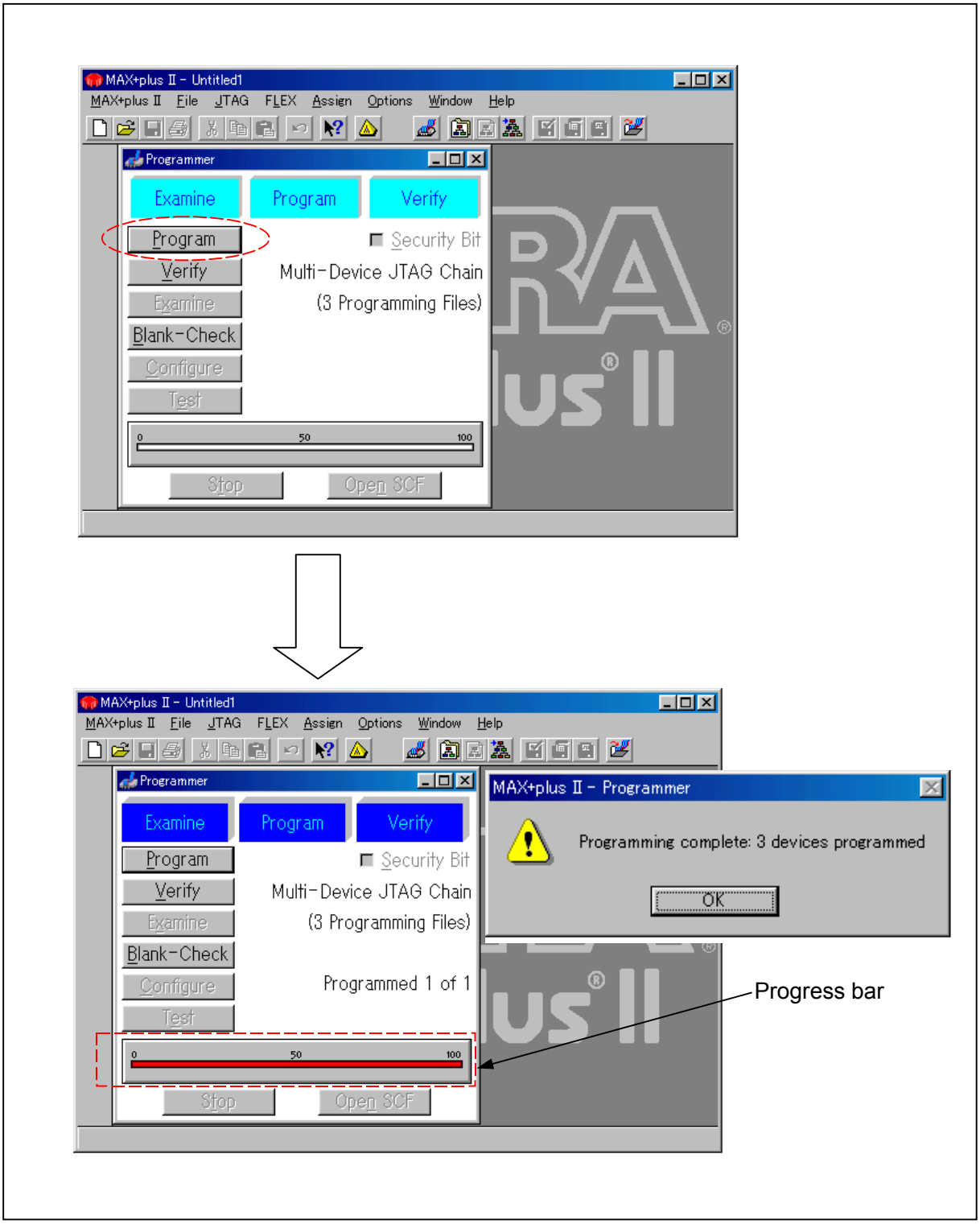


C. Click the **"Add"** button on the **"Multi-Device JTAG Chain Setup"** screen.

D. Repeat the steps 2 and 3 to capture the **"pof"** file.
E. Click the **"Save JCF"** button. Then, the **"Save JCF"** screen is displayed.
F. Enter a file name, and click the **"OK"** button.
G. Click the "OK" button on the **"Multi Device JTAG Chain Setup"** screen. Then, the following message is displayed : Multi-device JTAG chain mode, which is needed to use the information entered in this dialog box, is off. Do you want to switch to the multi-device JTAG chain mode ?
When this message is displayed, click **"YES"**.



7. Click the **“Program”** button on Programmer dialog.
8. When Progress Bar reaches at point of **100**, the message “Programming Complete” appears, then PLD version upgrade is completed. Click **“OK”** button on the **Programming complete** message Dialog.



* MAX+PLUS are registered trademarks of Altera Corporation.

* Windows95 and Windows98 are registered trademarks of Microsoft Corporation.

6. CCD White blemishes compensation

Procedures of compensating CCD white blemishes.

Preparation

To set HIGH GAIN to 30dB, take the following procedures.

1. Connect a monitor TV to the VIDEO OUT, and turn ON the power.
2. Press the MENU button to display the SCENE menu.
3. While the "→" is located at NEXT position, press the JOG dial button to select MAIN 1/2 menu. (If the "→" is not located at NEXT position, move it by rotating the JOG dial button.)

```
→NEXT∗∗∗∗  MAIN 1/2  ∗∗∗∗

  DATA READ/WRITE . .
  SW MODE . .
  VIDEO IN/OUT . .
  VTR FUNCTION . .
  VTR OPTION . .
  BATTERY . .
  MIC AUDIO . .
  LENS SHADING . .
```

4. Move the "→" to select SW MODE and press the JOG dial button.

```
→▲<SW MODE>

  LOW GAIN      : 0dB
  MID GAIN      : 9dB
  HIGH GAIN     : 18dB
  ATW           : OFF
  SUPER V       : OFF
  QUICK FOCUS : ENABLE
  FULL AUTO     : ENABLE
  SCENE FILE    : ENABLE
```

5. Take a note of HIGH GAIN setting, so that it can be return to original setting before return to customer.
6. Select the HIGH GAIN and press the JOG dial button. (Current setting blinks)
   Change it to 30dB and press the JOG dial button to set the change.
7. Press the MENU button to finish the preparation.
8. Connect a monitor TV. Set the GAIN SW to "H" position and confirm whether there are white blemishes.
   When there are white blemishes, perform the following procedures.

White blemish compensation procedures

1. Set the SW position as follows;
   WHITE BAL SW : PRST
   OUTPUT SW : BARS
2. Press the MENU button so that view finder display is ON.
3. Turn the AUTO W/B BAL SW to AWB side and hold it.
4. Press the MENU button once and release.
5. Release the AUTO W/B BAL SW.
   (SCENE menu is displayed.)
6. Press the JOG dial button three times to enter SERVICE menu.

```
→NEXT∗∗∗∗  SERVICE  ∗∗∗∗

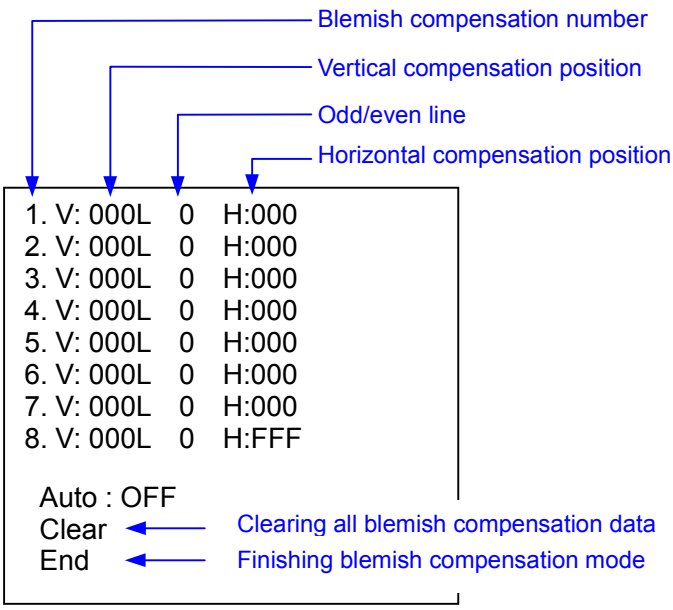
  FLARE/GAMMA . .
  WHITE SHADING . .
  CAMSYS MENU . .
  VTR SERVICE 1/2 . .
  VTR SERVICE 2/2 . .
  INITIALIZE . .
  EVR DATA . .
  ERROR LOG . .
  DIF STATUS . .
  SERVICE VERSION . .
  FACTORY INITIALIZE . .
```

7. Enter the CAMSYS MENU and move the "→" to DEFECT COMPENSATION then press the JOG dial button. (The "OFF" blinks.)

```
→ ▲ <CAMSYS MENU>

  DEFECT COMPENSATION : OFF
  RAM EDITOR          : OFF
  AUTO ADJUST         : OFF
```

8. Rotate the JOG dial button upward.
   The White blemish compensation menu appears.



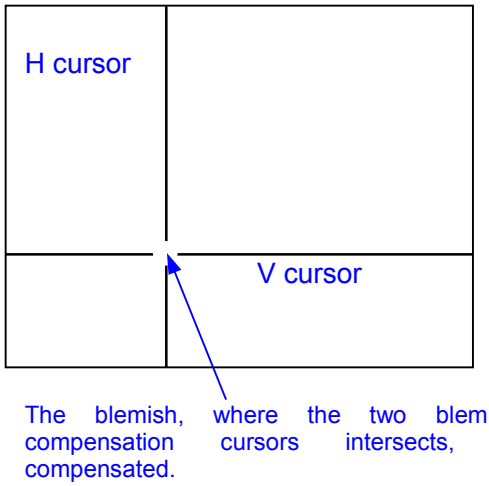
9. When there is the value at the Vertical / Horizontal compensation position more than 31F in hexadecimal, clear it as follows.

   a. Rotate the JOG dial button to move cursor (blinking letters) to the **Clear**.
   b. In the above condition, rotate JOG dial button upward while pressing QUICK FOCUS button. The data will be cleared.

10. Select the blemish compensation number with JOG dial button.
11. Set the BARS/CAM switch of the AJ-D410AP from the CAM position to the BARS position. The character display (blemish compensation menu) will disappear and the Cursor screen will appear. The cursors may be positioned outside the display area. In this case, move the cursors to the position, with MODE CHECK, QUICK FOCUS and JOG dial buttons.

   Move the V cursor in the vertical direction
   Rotate JOG dial button while pressing MODE CHECK button.

   Move the H cursor in the horizontal direction
   Rotate JOG dial button while pressing QUICK FOCUS button.



12. Connect a monitor TV to the CAM OUT.
13. Observe the CAM OUT, and move the H cursor and the V cursor to the position of blemish. When the intersecting point of two cursors comes onto the position of blemish, the blemish is compensated.
14. Return the BARS/CAM switch to the CAM position after compensating the blemish. (The blemish compensation menu will appear again. This is not displayed on the CAM OUT, so confirm it on the VIDEO OUT.)
15. When compensating the next blemish, repeat the above steps 10-14.
16. After completing compensation of blemishes, rotate the JOG dial button to move cursor (blinking letters) to the **END**.
    In this condition, rotate JOG dial button upward while pressing the QUICK FOCUS button to finish "White blemish compensation procedures".
17. Return the setting of the menu item HIGH GAIN to the value, which has been noted down before performing “White blemish compensation procedures”. (Refer to the Preparation 5.)
18. Turn off the power.

7. AUTO OFF LIST

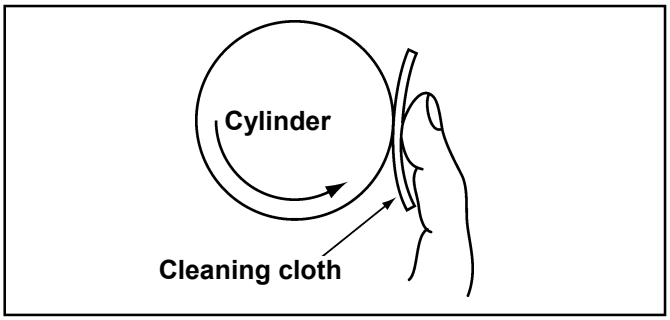
Code	Auto-Off condition
E-04	• Failure of the pinch-roller solenoid or reel brake solenoid drive circuit has been detected.
E-08	• Failure of the cleaning solenoid drive circuit has been detected.
E-0B	• Where the radius of the tape winding is the minimum, the reel is rotating at the speed of more than 150 times normal playback speed. • When the tape is running in the reel drive mode (without tape speed 0 %) , the tension sensor voltage continues to be less than 0.3 V or more than 4.7 V for more than 5 seconds. • The take-up reel has rotated more than one turn in the direction opposite to the tape running.
E-0C	• When the capstan has driven the tape by 3 cm, the number of FG counts of the take-up Reel is less than the specified value (before detecting the radius of the tape winding). • In ± x1 playback speed, when the amount of tape transport either on the take-up reel or supply reel has reached 3 cm, the difference in the amount of tape transport between the two reels is more than 2 cm (after detecting the radius of the tape winding). • While the tape is running, FG output of the take-up reel is not counted for 5 seconds (irrelevant to tape radius detection). • Where the radius of the tape winding is the minimum, the reel rotates at the speed of more than 150 times normal playback speed for more than 2 seconds. • When the tape is running in the capstan mode, the tension sensor voltage continues to be less than 0.3 V for 5 seconds.
E-0D	• While the capstan motor is rotating, the FG output is not detected for more than 5 seconds.
E-0E	• While the cylinder motor is rotating, the FG output is not detected for more than one second. • The PG output is not detected for more than 5 seconds. • While the cylinder is rotating, the period of the PG pulses continues to be less than 3 msec for 2 seconds.
E-0F	• Tape loading does not finish within 10 seconds. • Tape loading error: if tape loading is locked after the half loading, the loading is retried three times and the loading is still locked at the fourth retry. • Tape unloading does not finish within 10 seconds. • From the start of tape loading to the half loading, the tension sensor voltage continues to be more than 1.5 V for 40 msec. • When the tape is running in FF/REW after the leader tape has been detected at the half loading, the output of the take-up reel FG counts more than five times the output from the leader tape length. • The tape is not wound up during unloading. • The tape start or tape end processing does not finish even after 10 seconds.
E-38	• Servo microcomputer serial communication error.

8. Cleaning Method

Cautions: Turn off the power while doing cleaning.
As a cleaning liquid use ethanol (99% or more).

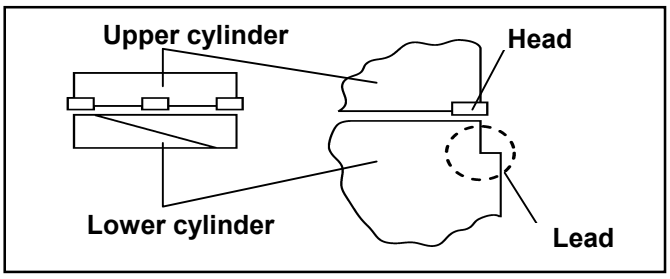
8-1. Cleaning video heads

Lightly press a cleaning cloth damped with a cleaning liquid onto the cylinder, and rotate the cylinder counterclockwise. Repeat this several times until no more dirt sticks to the cleaning cloth. Finally, wipe the cylinder with a new dry cleaning cloth. Do not touch the cylinder with bare hands.



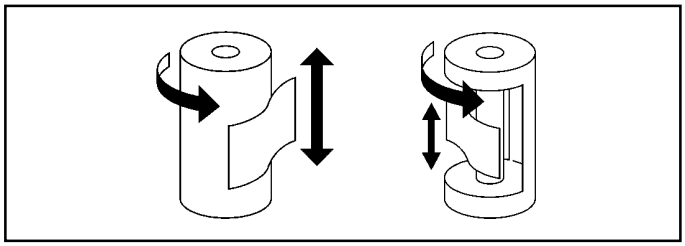
8-2. Cleaning drum lead

Remove the dust stuck to the drum lead with something like a tooth pick.
Do not hit the video head tips with the tooth pick or the like.



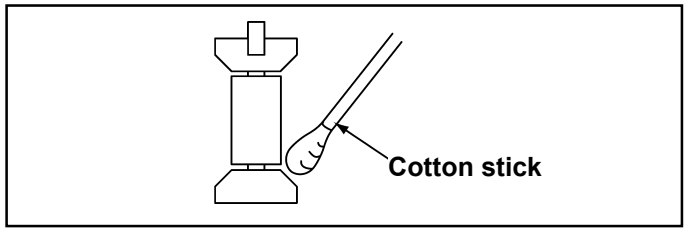
8-3. Cleaning pinch roller and capstan

Wipe the pinch roller and capstan with a cloth damped with a cleaning liquid.



8-4. Cleaning posts

Wind a dry cleaning cloth round a thin stick and wipe the posts with the stick. As far as the fixed posts are concerned, at first wipe them with a cleaning cloth damped with a cleaning liquid, and then wipe with a dry cleaning cloth.

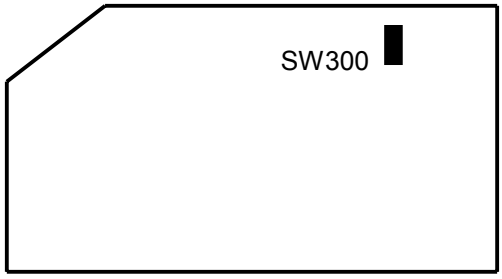


9. Internal Switch Setting

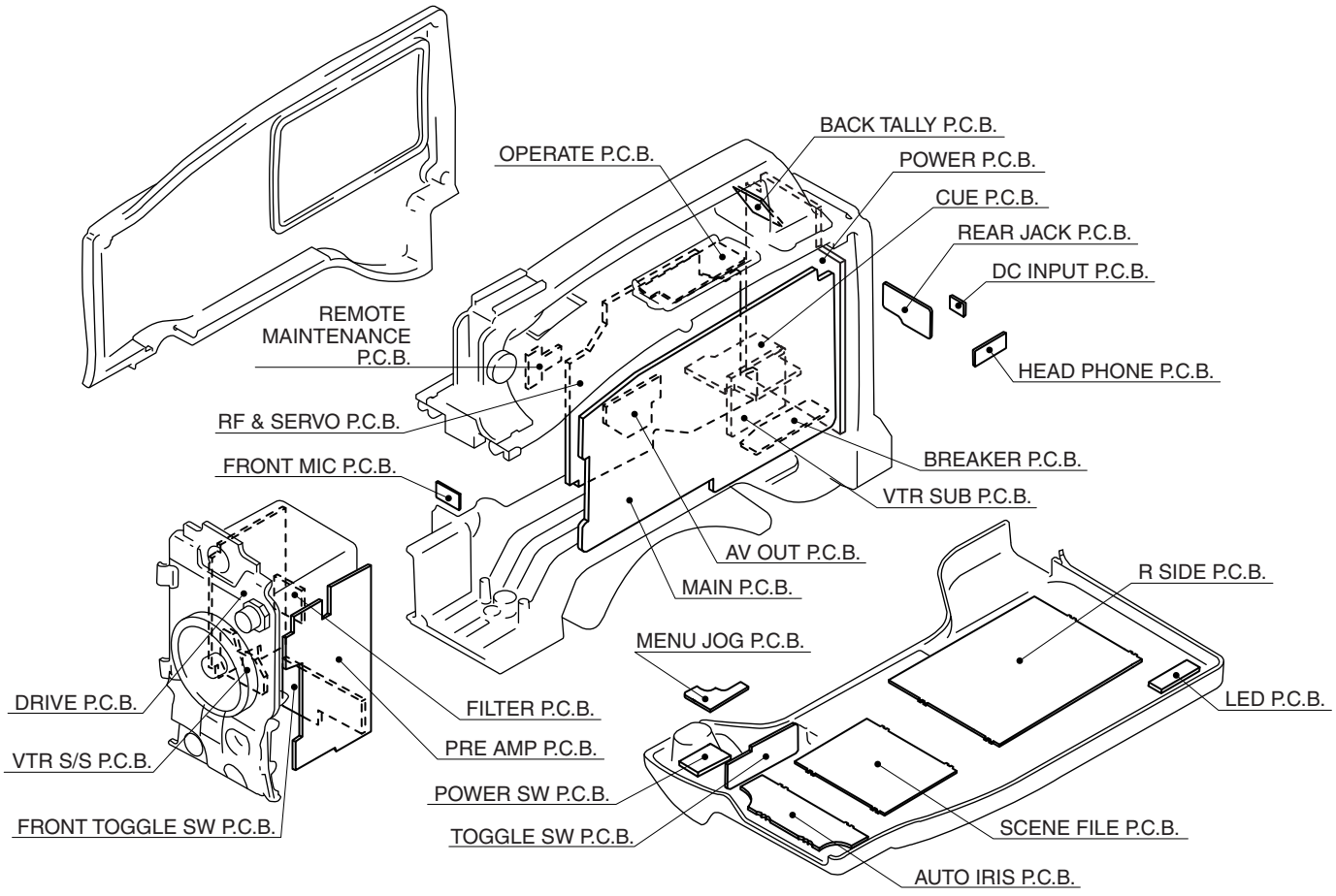
The switche setting on each circuit board are shown below.
The switches “Factory use only” must be set to the “factory setting”.

BOARD	Ref. No.	SW	FACTORY SETTING	FEATURE
MAIN	SW300	1	OFF	Factory use only
		2	OFF	Factory use only
		3	OFF	Factory use only
		4	OFF	TEST MODE (for Camera Adjustment refer to Electrical Adjustment)

MAIN P.C.Board



10. CIRCUIT BOARD LAYOUT



SECTION 2

DISASSEMBLY PROCEDURES

CONTENTS

2. Disassembly DIS-1
2-1. Removal of Cassette Cover DIS-1
2-2. Removal of Left Side Panel DIS-1
2-3. Removal of Right Side Panel DIS-1
2-4. Removal of VTR MAIN C.B.A. DIS-1
2-5. Removal of Cassette Up Unit DIS-1
2-6. Removal of Mechanical Unit DIS-2
2-7. Removal of Camera Unit DIS-2

2. Disassembly

2-1. Removal of Cassette Cover

1. Unscrew the 4 screws (A) and remove the Cassette Cover.



2-2. Removal of Left Side Cover

1. Unscrew the 4 screws (B) and remove the Left Side Cover.

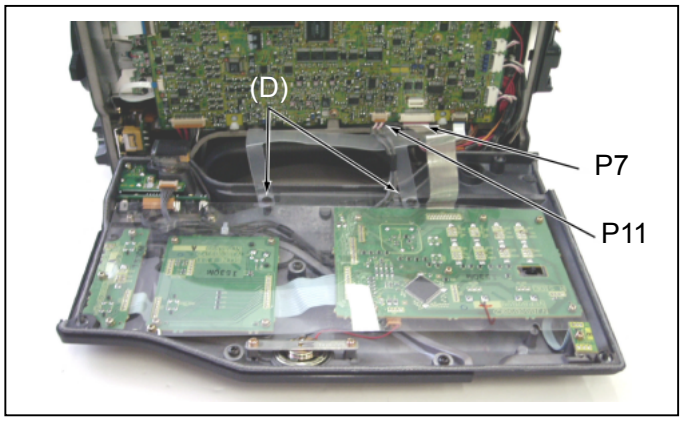


2-3. Removal of Right Side Cover

1. Unscrew the 4 screws (C).
2. Unscrew the screws (D).

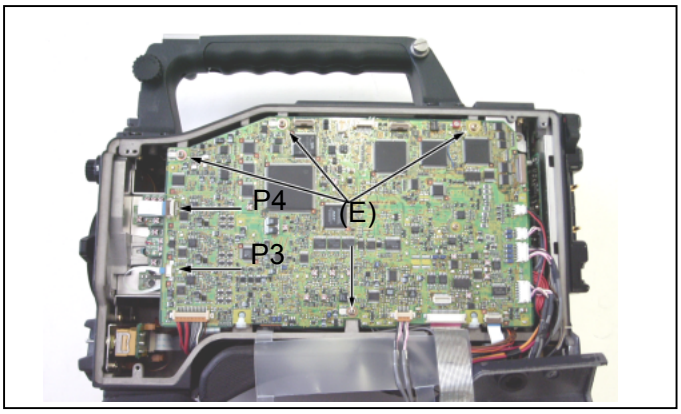


3. Disconnect the connector (P7, P11) and remove Right Side Panel.



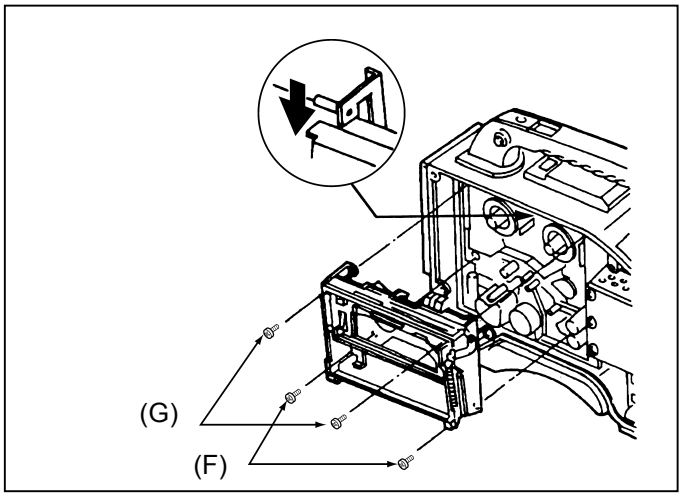
2-4. Removal of VTR MAIN P.C.B.

1. Unscrew the 4 screws (E).
2. Disconnect the connector (P3, P4) and open VTR MAIN P.C.B..



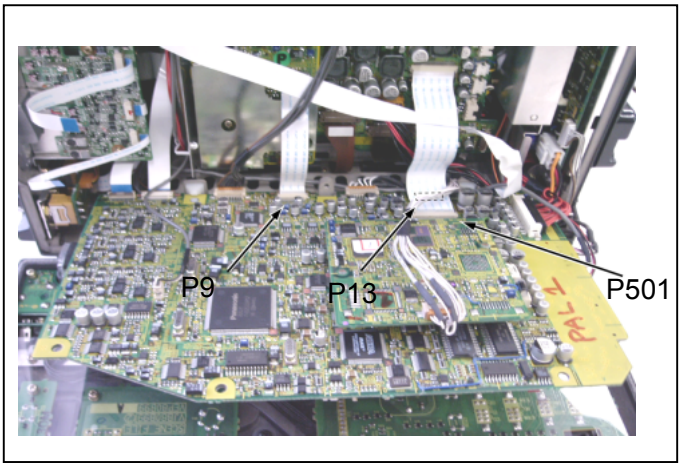
2-5. Removal of Cassette Up Unit

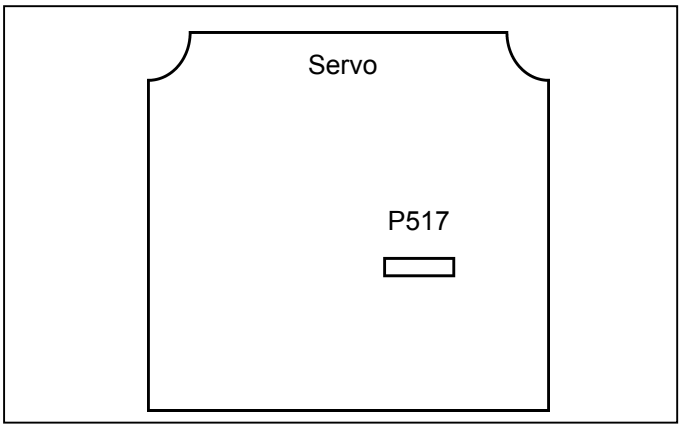
1. Push the Cassette Up Unit lock.
2. Unscrew the 2 screws (F) and 2 screws (G). Remove the Cassette Up Unit.



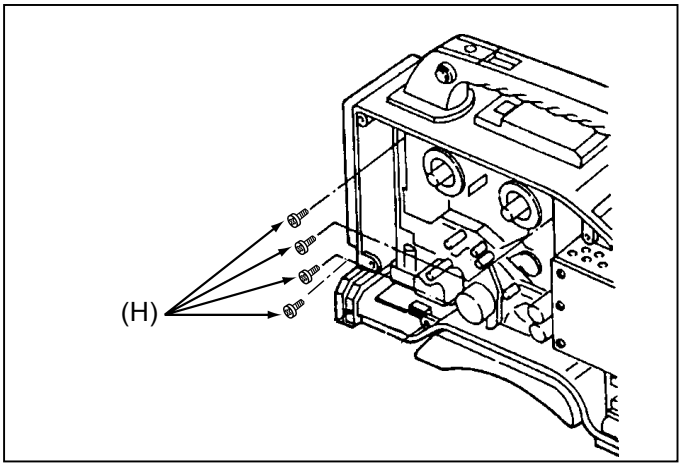
2-6. Removal of Mechanical Unit

1. Disconnect the connector (P9, P13, P501) and connector (P517).



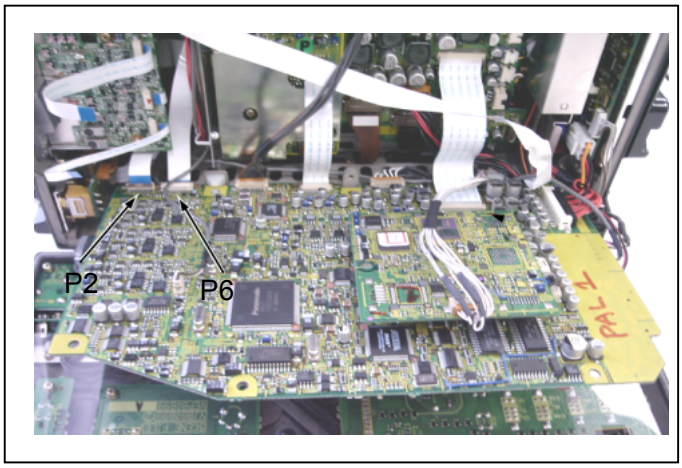


2. Unscrew the 4 screws (H) and remove the Mechanical Unit.

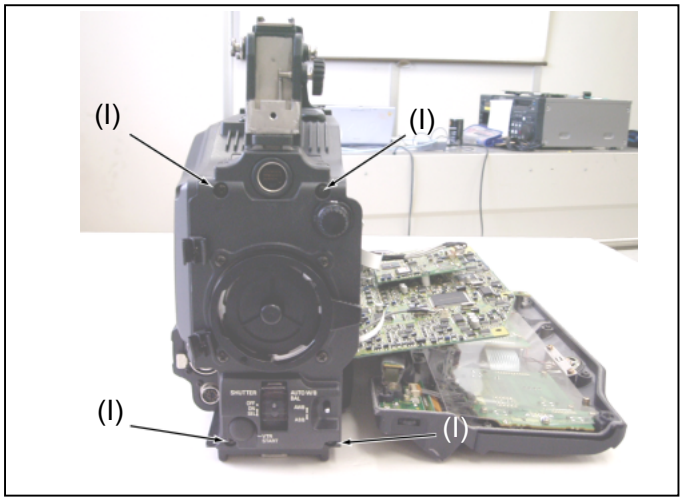


2-7. Removal of Camera Unit

1. Disconnect the connector (P2, P6).



2. Unscrew the 4 screws (I) and remove the Camera Unit.



3. Disconnect the connector (P4) and remove the Camera Unit.

Note : Assemble procedures are reverse of the disassembly procedures.

SECTION 3

MECHANICAL ADJUSTMENTS

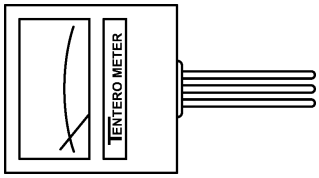
CONTENTS

1. Servicing Fixtures & Tools MEC-1
2. Alignment Tape MEC-4
   2-1. VFM3580KL (NTSC) (25 M adjustment tape) MEC-4
   2-2. VFM3581KL (NTSC) (Manufacturer (LISTA) adjustment tape) MEC-4
   2-3. VFM3582KL (NTSC) (Manufacturer (X-value) adjustment tape) MEC-4
3. List of Recommended Measuring Instruments MEC-5
4. Maintenance MEC-6
   4-1. Maintenance Schedule MEC-6
   4-2. Layout of the Maintenance Parts MEC-7
   4-3. Layout of the Other Parts MEC-7
5. Emergency Eject MEC-8
6. Cleaning Method MEC-9
   6-1. Cleaning video heads MEC-9
   6-2. Cleaning drum lead MEC-9
   6-3. Cleaning pinch roller and capstan MEC-9
   6-4. Cleaning posts MEC-9
7. Mechanism MEC-10
   7-1. Mechanical Adjustment Procedures MEC-10
   7-2. Table of difference between DVCPRO MECHANISM Version 2 and AJ-D410AP manual for Mechanical Adjustment MEC-10
   7-3. Table of difference between DVCPRO MECHANISM Version 2 and AJ-D410AP manual for Major Mechanical Parts Replacement MEC-11
   7-4. AJ-D410AP : Table of Test Point MEC-12
   7-5. Service Menu for Mechanism MEC-13
   7-6. LISTA Connection and Boot Up MEC-15

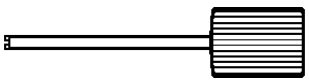
1. SERVICING FIXTURES & TOOLS

NO	NEW	PART NO.	FIXTURE & TOOL NAME	REMARKS
1		VFK1145A	Back Tension Meter	
2		VFK1149A	Post Driver	
3		VFK71A	Dial Torque Gauge (1.5 cN·m)	150 g
4		VFK1191A	Dial Torque Gauge (0.45 cN·m)	45 g
5		VFK1152	Dial Torque Gauge Adapter	
6		VFK0357	Eccentric Screwdriver (1.5 mm)	
7		VFK1154	Post Height Fixture	
8		VFK1348	Mech. Neutral Plate	
9		VFK1155	REV Position Tool (silver)	
10		VFK1156	PLAY Position Tool (black)	
11		VFK1208	Neutral Position Tool (black with hole)	
12		VFK1150	Nut Driver (5.5 mm)	
13		VFK1151	Nut Driver (2.5 mm)	
14		VFK1188A	Dial Tension Gauge	
15		VFK0948A	Check Light	
16		VFK0749	Froiral Grease (white)	for plastics part
17		MOR265	Morlytone Grease (black)	for metal part
18		VFK1146	Philips Driver (Fine) (00-75)	
19		VFK1147	Philips Driver (Fine) (00-100)	
20		VFK1148	Hex. Driver (1.5 mm)	
21		VFK1178	Hex. Driver (0.89 mm)	
22		VFK1179	Hex. Driver (0.71 mm)	
23		VFK1190	Hex. Wrench	
24		VFK1209A	Torque Driver (4 cN·m-30 cN·m)	0.4 kgf·cm –3 kgf·cm
25		VFK1375	Post Axis Driver (1.5 mm)	
26		VFK1300	A/D Board (DAQ-12 Quatech)	
27		VFM3580KL	DVCPRO Alignment Tape (No.1) for NTSC	
28		VFM3581KL	DVCPRO Alignment Tape (No.2) for NTSC	
29		VFM3582KL	DVCPRO Alignment Tape (No.3) for NTSC	
30		VFK1409S	Measuring Board	
31		VFK1590	C PLD Writer	
32		AJ-CL12MP	Cleaning Tape	SALES Route
33		VFK1423	Tape Beg./End Detection Cassette	
34		VFK1481B	LISTA Software	
35		VFK1186	LISTA Cable	
36		VFK0906	Lubrication Oil	
37		VZZ0095	Cleaning Cloth	

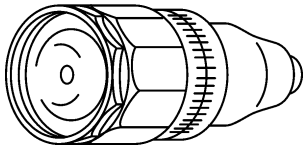
1 **VFK1145A**
Back Tension Meter



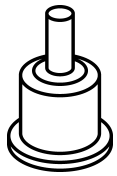
2 **VFK1149A**
Post Driver



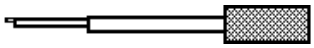
3 **VFK71A**
4 **VFK1191A**
Dial Torque Gauge



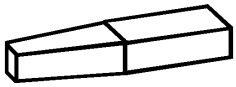
5 **VFK1152**
Dial Torque Gauge Adapter



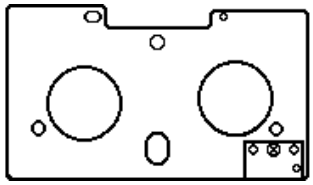
6 **VFK0357**
Eccentric Screwdriver (1.5 mm)



7 **VFK1154**
Post Height Fixture



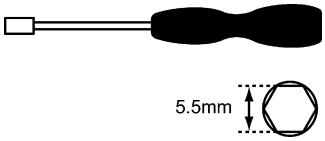
8 **VFK1153**
Mech. Neutral Plate



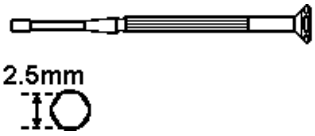
9 **VFK1155** **(REV/Silver)**
10 **VFK1156** **(PLAY/Black)**
11 **VFK1208**
(Neutral/Black with hole)
Position Tool



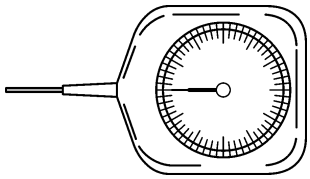
12 **VFK1150**
Nut Driver (5.5 mm)



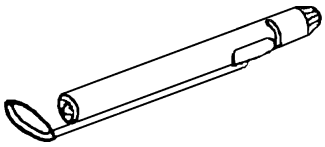
13 **VFK1151**
Nut Driver (2.5 mm)



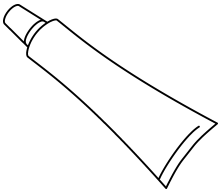
14 **VFK1188A**
Dial Tension Gauge



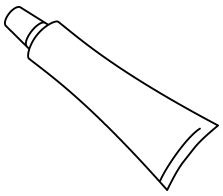
15 **VFK0948A**
Check Light



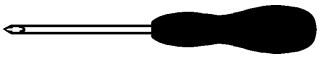
16 **VFK0749**
Froiral Grease (for plastics)



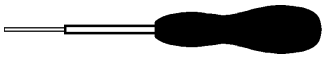
17 **MOR265**
Morlytone Grease (for metal)



18 **VFK1146 (00X75)**
19 **VFK1147 (0X100)**
Philips Driver (Fine)



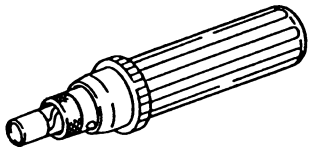
20 **VFK1148 (1.5 mm)**
21 **VFK1178 (0.89 mm)**
22 **VFK1179 (0.71 mm)**
Hex. Driver



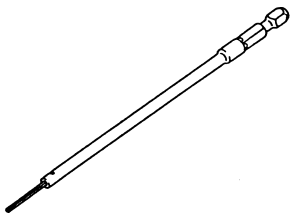
23 **VFK1190 (1.5 mm)**
Hex. Wrench



24 **VFK1209A**
Torque Driver



25 **VFK1375**
Post Axis Driver (1.5 mm)



26 **VFK1300**
A/D Board (Quatech DAQ-12)

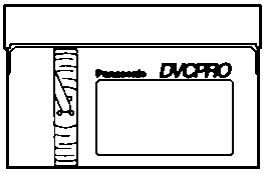


27 **VFM3580KL**

28 **VFM3581KL**

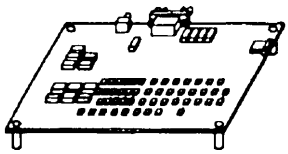
29 **VFM3582KL**

DVCPRO
Alignment Tape



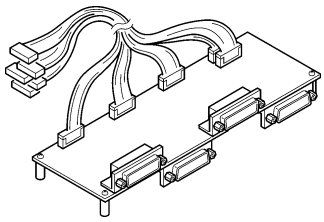
30 **VFK1409S**

Measuring Board



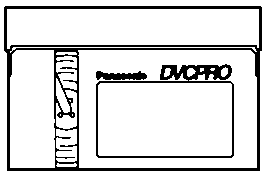
31 **VFK1590**

C PLD Writer



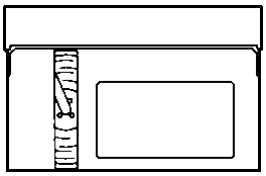
32 **AJ-CL12MP**

Cleaning Tape



33 **VFK1423**

Tape Beg./End
Detection Cassette

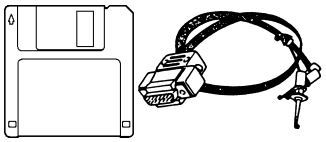


34 **VFK1481B**

LISTA Software

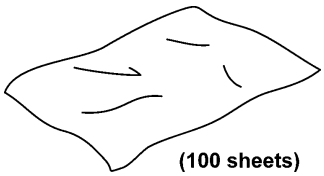
35 **VFK1186**

LISTA Cable



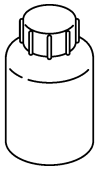
36 **VZZ0095**

Cleaning Cloth



37 **VFK0906**

Lubrication Oil



2. Alignment Tape

2-1. VFM3580KL (NTSC) (25 M adjustment tape)

TIME	VIDEO		PCM AUDIO		CUE	
(min.)	Signal	Purpose	Signal	Purpose	Signal	Purpose
0:00	Color bar SMPTE(75%)	Confirmation of the composite video level	1KHz –20dB	Confirmation of the audio level	1KHz 0VU	Confirmation of the cue level
7:00	Color bar (100%)	Confirmation of the composite video level				
14:00	H sweep	Frequency characteristic			6KHz 0VU	A/C head azimuth adjustment
18:00	Bow tie (500K)	Y/C timing				
22:00	Pulse & bar	Y/C timing			300, 500, 1K 2K, 4K, 6KHz	Frequency characteristic
26:00	Area marker	Video start timing			-----	-----

2-2. VFM3581KL (NTSC) (Manufacturer (LISTA) adjustment tape)

TIME	VIDEO		PCM AUDIO		CUE	
(min.)	Signal	Purpose	Signal	Purpose	Signal	Purpose
0:00	ITI pattern	Linearity adjustment	-----	-----	-----	-----

2-3. VFM3582KL (NTSC) (Manufacturer (X-value) adjustment tape)

TIME	VIDEO		PCM AUDIO		CUE	
(min.)	Signal	Purpose	Signal	Purpose	Signal	Purpose
0:00	Color bar (75%) (with drop-out track)	X-value adjustment	-----	-----	6KHz 10VU	X-value adjustment

3. List of Recommended Measuring Instruments

MODEL NO. (Example)	NAME	REMARK
TSG1910 (NTSC)	NTSC analog composite signal generator (with CF OUT)	Tectronix
1760 (op. SC) or 1780R	SCH meter (NTSC)	
	Waveform monitor (NTSC)	
	Vector scope (NTSC)	
	Oscilloscope	
	Digital voltmeter (D.V.M.)	
	Frequency counter	
	Halogen Lump	
	Lux Meter	
	Color Pyrometer	

4. Maintenance

4-1. Maintenance Schedule

Maintenance is done by periodically performing suitable maintenance servicing in order to maintain the functions always in the best condition, so that the user can use the equipment safely. Video equipment with mounted mechanisms use wear parts, and their wear and deterioration causes troubles. Dust and dirt also can impair stable operation. For this reason it is important not to just perform repair at the time of trouble, but also to perform suitable maintenance at regular intervals.

	Part name	Part No.	Hours of use (unit: hours)						
			1000H	2000H	4000H	6000H	8000H	10,000H	12,000H
-	Cleaning of the travel system	-----	C: Every 500 hours						
-	Mechanical chassis unit	VXY1650							R
1	Cylinder Unit	VEG1499		R	R	R	R	R	IM
2	Pinch Arm Unit	VXL2835C	R,Y,G	R,Y,G	R,Y,G	R,Y,G	R,Y,G	R,Y,G	IM
3	Cleaning Arm Unit	VXL3027C	R, Y	R, Y	R, Y	R, Y	R, Y	R, Y	IM
4	S-Reel Motor Unit	VEM0658				R			IM
5	T-Reel Motor Unit	VEM0659				R			IM
6	Thrust Screw Unit	VXQ0556				R,L			IM
7	S1 Loading Arm Unit	VXL2709							IM
8	T1 Boat Unit	VXA6378							IM
9	S5 Post Base Unit	VXA6052							IM
10	Tension Arm Unit	VXL2831							IM
11	S Cassette Brake Arm	VXL3062				R			IM
12	T Cassette Brake Arm	VXL3063				R			IM
13	Mode Switch Unit	VES0918C				R			IM
14	A/C Head	VED0419							IM
15	Loading Motor (1) A Unit	VEM0645C							IM
16	Pinch Solenoid	VSJ0227							IM
17	S Brake Solenoid	VSJ0216							IM
18	T Brake Solenoid	VSJ0216							IM
19	L Switch Base B Unit	VXA6254							IM
20	Cleaner Solenoid	VXA6078C							IM
21	Main Cam Gear	VDG1168							IM
22	Cassette Up Unit	VXA7343							IM

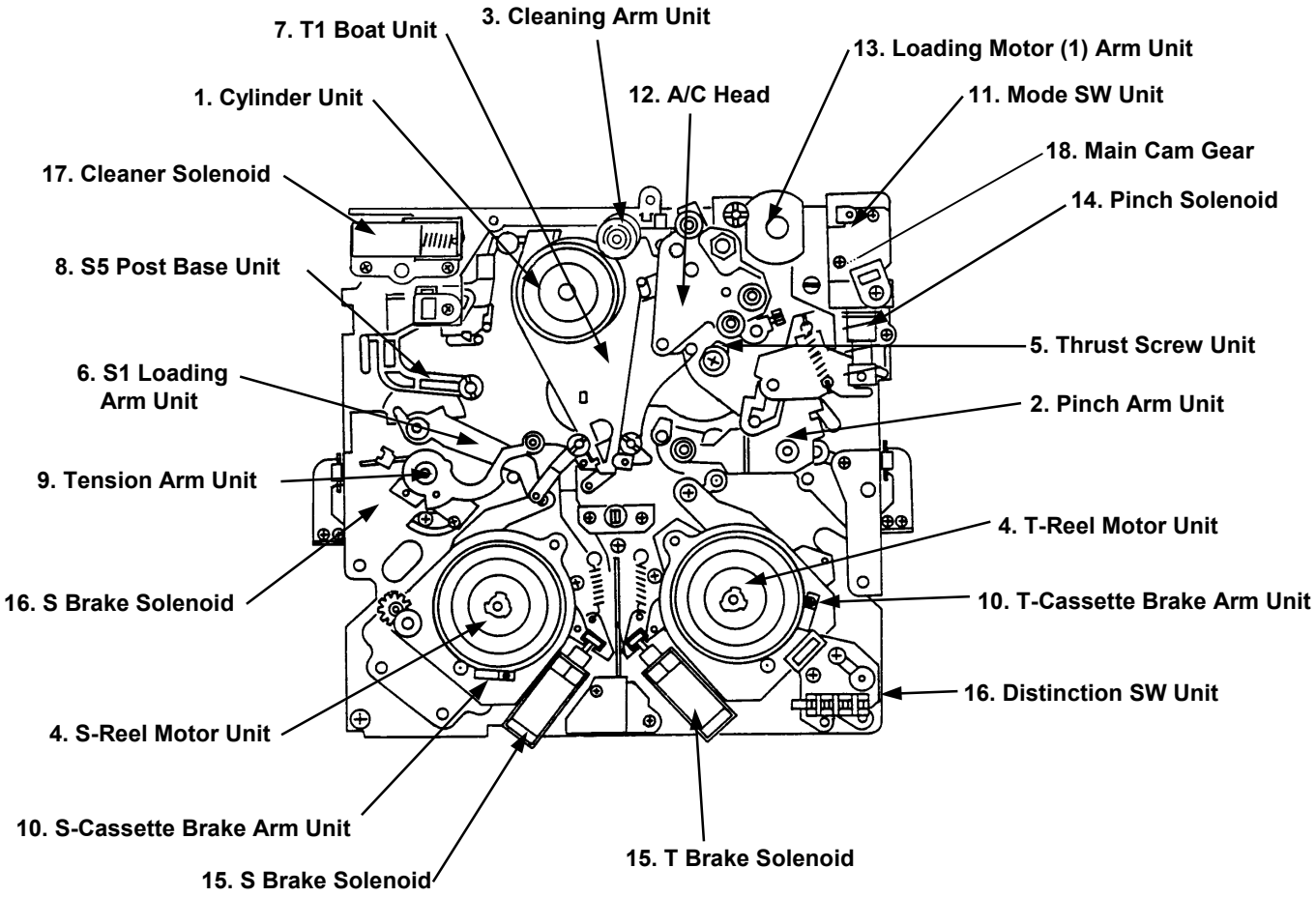
Replacement of the mechanical chassis unit is recommended for the 12,000 h maintenance.

C : Perform cleaning.
R : Assembly subject to exchange.
Y : The timing of replacement with Cleaning Arm Unit, either 1000 hours or 1 year as timing come earlier.
G : At the time of exchange, wipe off the old grease and apply new grease. (Morlytone grease)
L : Lubrication is necessary.
IM : Included in the mechanical chassis unit. When the mechanical chassis unit is not exchanged, exchange as a single part is required.
F : Included in the front-loading unit.

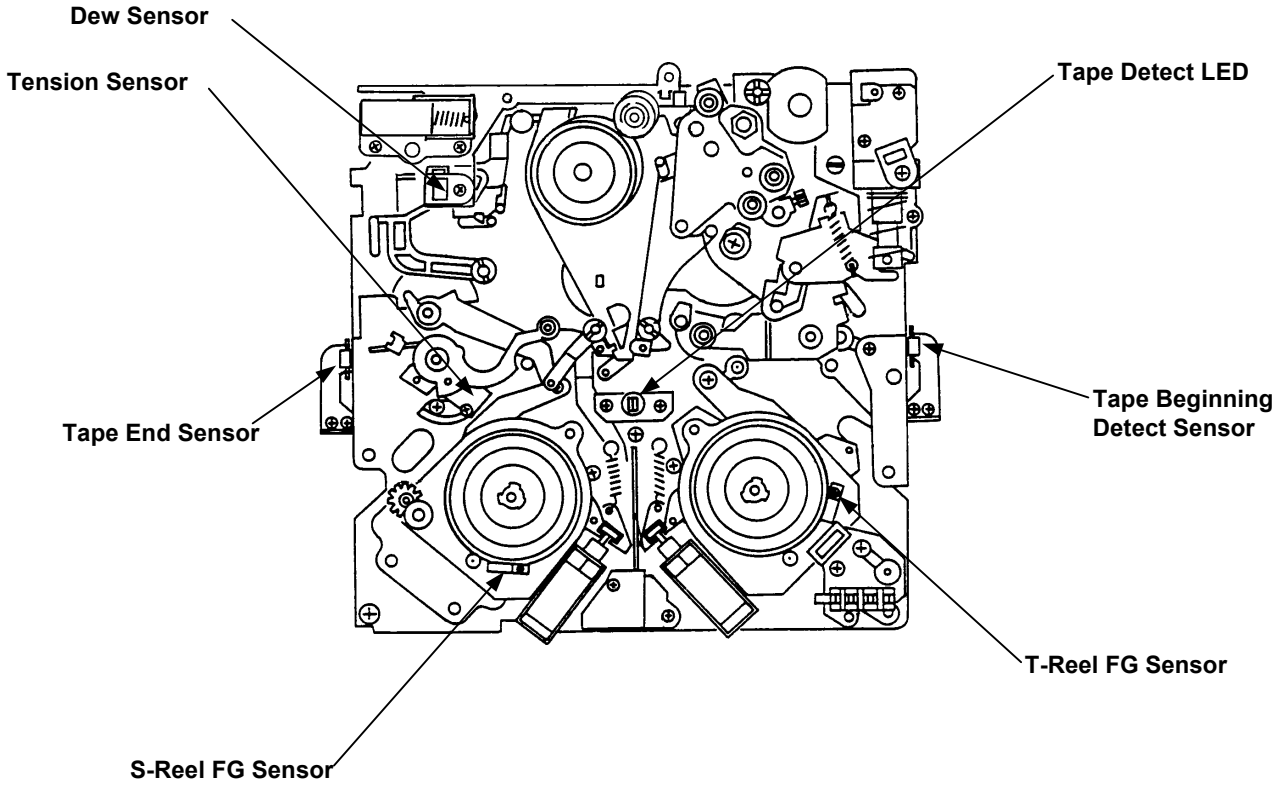
<Note:>

The Hours of use indicates the cylinder rotation time (DRUM RUN).
The maintenance execution time shown in the chart is recommendation for standard maintenance execution. This is not the life of the various parts. The life is influenced by temperature, humidity, dust, etc.
Please refer to the most recent execution outline, as the maintenance specifications and the part numbers may change.

4-2. Layout of the Maintenance Parts



4-3. Layout of the Other Parts



5. Emergency Eject

In the event that a cassette is not ejected by pressing EJECT button, take the following Emergency Eject procedures.

1. Turn OFF the power.
2. Remove the rubber cap and insert a Phillips Screwdriver to the cross-shaped recess of the EMERGENCY screw (red) as shown in the figure below:



3. While pushing the EMERGENCY screw with the screwdriver, turn the screw counterclockwise until the cassette is ejected.
   - The screw must be turned about 20 turns before the tape unloading begins.
   - The screw must be turned about 90 turns from the beginning of the tape unloading to the cassette eject.
4. Take out the cassette.
5. Attach the rubber cap again.

<Caution>

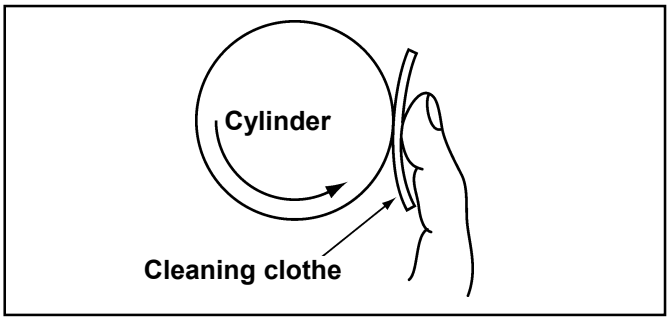
- Do not turn the EMERGENCY screw except in emergency.
- Do not turn the EMERGENCY screw clockwise. Also, do not turn the screw farther after the cassette has been ejected. Otherwise, the mechanism may be broken down.
- After the cassette has been ejected, the cassette holder can not be locked even if it is pushed to close. Turn on the power to reset the action of the mechanism, and then close the cassette holder.
- Click sounds occur during the time when the EMERGENCY screw is turned. These sounds occur while the reel is driven and they are not abnormal.

6. Cleaning Method

Cautions: Turn off the power while doing cleaning.
As a cleaning liquid use ethanol (99% or more).

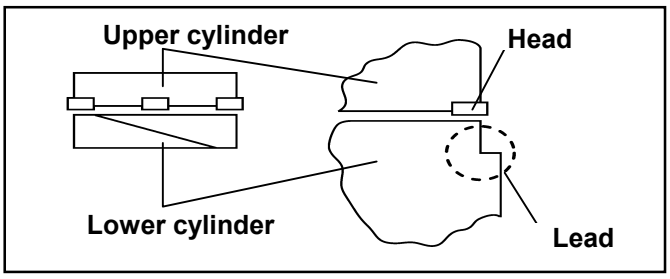
6-1. Cleaning video heads

Lightly press a cleaning cloth damped with a cleaning liquid onto the cylinder, and rotate the cylinder counterclockwise. Repeat this several times until no more dirt sticks to the cleaning cloth. Finally, wipe the cylinder with a new dry cleaning cloth. Do not touch the cylinder with bare hands.



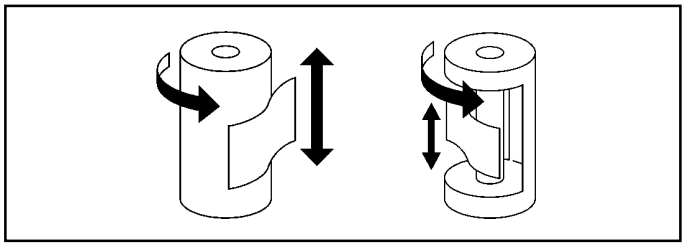
6-2. Cleaning drum lead

Remove the dust stuck to the drum lead with something like a tooth pick.
Do not hit the video head tips with the tooth pick or the like.



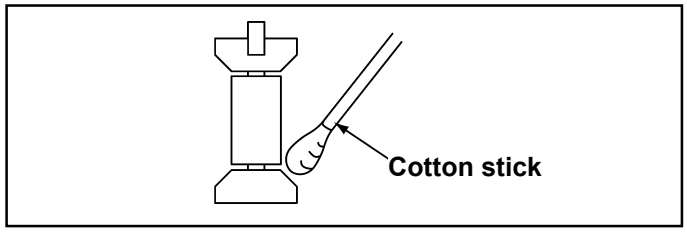
6-3. Cleaning pinch roller and capstan

Wipe the pinch roller and capstan with a cloth damped with a cleaning liquid.



6-4. Cleaning posts

Wind a dry cleaning cloth round a thin stick and wipe the posts with the stick. As far as the fixed posts are concerned, at first wipe them with a cleaning cloth damped with a cleaning liquid, and then wipe with a dry cleaning cloth.



7. Mechanism

7-1. Mechanical Adjustment Procedures

This section shows difference between AJ-D410AP and ”Service Manual DVCPRO MECHANISM [Version 2] . Refer to ”Service Manual DVCPRO MECHANISM [Version 2] "Order No. BSD01303M901".

7-2. Table of difference between DVCPRO MECHANISM Version 2 and AJ-D410AP manual for Mechanical Adjustment.

Adjustment	DVCPRO MECHANISM	AJ-D410AP	TYPE
1. Name of Tape Transportation	3-1	-	
2. Table of Test Point	-	MEC-12	AJ-D410A “Table of Test Point"
3. Mechanical Adjustment Procedures	3-14	-	
3-1. Post Height Pre-adjustment	3-14	-	
3-2. Tension Adjustment Flowchart	3-14	-	
3-3. Tension Arm Offset Adjustment	3-15	-	
3-4. Tension Arm Neutral Position Adjustment	3-15	-	
3-5. Tension Arm PLAY and REV Voltage Adjustment and Confirmation	3-16	-	
3-6. Tension Regulator Spring Adjustment	3-16	-	
3-7. REV Tension Confirmation	3-17	-	
3-8. Tension Confirmation	3-18	-	
3-9. Photo Sensor Voltage Adjustment	3-19	-	Use the model of the C-type category.
3-10. Tape Path Adjustment Procedure	3-20	-	
3-11. Envelope Waveform Adjustment	3-21	-	Use the model of the B-type category.
3-12. Post Limit Confirmation (PLAY)	3-22	-	
3-13. A/C Head Adjustment Method (General)	3-23	-	
3-14. A/C Head Tilt Adjustment	3-25	-	
3-15. A/C Head Height Adjustment	3-25	-	Use the model of the B-type category.
3-16. A/C Head Tilt Confirmation	3-26	-	
3-17. A/C Head Height Confirmation	3-27	-	Use the model of the B-type category.
3-18. A/C Head Azimuth and X-value Adjustment (25M)	3-28	-	Use the model of the B-type category.
3-19. REV Tape Path Confirmation and Adjustment (T4 Post Height Adjustment)	3-32	-	Use the model of the B-type category.
3-20. REV (-1) Mode Setting Procedure	3-33	-	Mode setting Method 1.Set the SERVICE MENU 2.Set the VTR OPERATION mode 3.Press [SEARCH] and [REW] button at the same time.
3-21. CTL Self Recording Level Confirmation	3-34	-	
3-22. Play Tape Path Limit Confirmation	3-35	-	Use the model of the B-type category.
3-23. Confirmation of Envelope on REV, REW and FF mode	3-35	-	Use the model of the A-type category.
3-24. Confirmation of Play Start Envelope	3-36	-	Use the model of the A-type category.
3-25. REV mode Tape Path Limit Confirmation	3-37	-	
3-26. FF, REW mode Tape Path Limit Confirmation	3-37	-	
3-27. Screw Lock Tight of A/C Head and T3, T4 Post	3-37	-	
3-28. Confirmation of Tape Damage for Long Tape Playback	3-38	-	Use the model of the J-type category.

3-29. LISTA Adjustment Procedure	3-39	-	
3-30. LISTA Connection and Boot Up	-	MEC-15	
3-31. How to Entry the Attachment Data of Alignment Tape	3-46	-	
3-32. LISTA Sensitivity Adjustment and Sensitivity Detection	3-47	-	Use the model of the K-type category.
3-33. LISTA Linearity Adjustment and Waving Measurement	3-53	-	Use the model of the K-type category.
3-34. Self-REC/PLAY Envelope Waveform Confirmation	3-56	-	Refer to “Service menu” of AJ-D410A
4. No Tape Loading Method	-	MEC-16	Refer to “Service menu” of AJ-D410A

7-3. Table of difference between DVCPRO MECHANISM Version 2 and AJ-D410AP manual for Major Mechanical Parts Replacement.

Adjustment	DVCPRO MECHANISM	AJ-D410AP	TYPE
SECTION5			
1. Major Mechanical Parts Replacement & Adjustment Procedures	5-1	-	
1-1. Cylinder Unit Replacement	5-1	-	Connector (A) :P513, P.C.Board (B) :RF&SERVO
1-2. Cleaning Arm Unit Replacement	5-2	-	
1-3. T1 Guide Position Adjustment	5-2	-	
1-4. Adjustment Flow Chart After Cylinder Unit Replacement	5-3	-	
1-5. Supply & Take-up Reel Rotor Unit Replacement (In case of type E and G models)	5-6	-	
1-6. Main Brake Torque Confirmation	5-7	-	
1-10. Pinch Solenoid Replacement	5-10	-	Connector (A) :P510, P.C.Board (B) :RF&SERVO
1-11. Pinch Solenoid Position Adjustment	5-10	-	
1-12. Pinch Arm Unit Replacement	5-11	-	
1-13. Loading Motor Replacement	5-11	-	Connector (A) :P511, P.C.Board (B) :RF&SERVO
1-14. Mode SW Unit Replacement	5-12	-	Connector (A) :P512, P.C.Board (B) :RF&SERVO
1-15. Main Cam Gear Replacement	5-12	-	
1-16. Thrust Screw Replacement and Adjustment	5-13	-	
1-17. S5 Post Base Unit Replacement	5-13	-	
1-18. Tension Arm Unit Replacement	5-14	-	
1-19. S1 Post Loading Arm Unit Replacement & Adjustment	5-15	-	
1-20. T1 Boat Unit Replacement	5-16	-	
1-21. T1 Loading Arm Unit Replacement & Adjustment	5-18	-	
1-23. A/C head Replacement & Adjustment	5-19	-	Connector (A) :P1005, P.C.Board (B) :CUE
1-24. Cleaner Solenoid Replacement & Adjustment	5-21	-	Connector (A) :P518, P.C.Board (B) :RF&SERVO
1-26. MIC Base Unit Replacement (Type C,D,E & G models only)	5-23	-	
1-31. T4 Post Position Adjustment	5-26	-	

7-4. AJ-D410AP : Table of Test Point

<Table of Test Point>

Name		Model Applied AJ-D410AP
[Reel Torque Adjustment]		
S-Side	Reel Voltage	RF SERVO : TP300
	Adjust Point	RF SERVO : VR300
T-Side	Reel Voltage	RF SERVO : TP301
	Adjust Point	RF SERVO : VR301
GND		RF SERVO : TP302
[Tension Arm Adjustment]		
TENSION		RF SERVO : TP400
TENSION OFFSET		RF SERVO : VR400
TENSION GAIN		RF SERVO : VR401
[Photo Sensor Voltage Adjustment]		
S-Side	Sensor Voltage	RF SERVO : TP601 or SERVICE MENU "S PHOTO"
	Adjust Point	RF SERVO : VR601
T-Side	Sensor Voltage	RF SERVO : TP600 or SERVICE MENU "T PHOTO"
	Adjust Point	RF SERVO : VR600
[Tape Path, A/C Head Adjustment]		
R/P-ENV		H/R AMP : TP301 or MAIN : TP1
R/P-HSW		RF SERVO : TP501
LIVE-CTL		RF SERVO : TP950
CUE		CUE : TP1004 or MAIN : TP4302
[PG Shifter Adjustment]		
TSR		RF SERVO : TP502
PG SHIFT		* Select the EVR on the SERVICE MENU. (Refer to following table)
[LISTA Adjustment]		
ATF ERR		VFK1409S TP HID1
TRG R/P-HSW		RF SERVO P.C.B. : TP501 VFK1409S : TP HID1
ATF GAIN		* SERVICE MENU bellow. (As shown bellow)
GND		Refer to Note2

[SERVICE MENU for Adjustment]

Adjustment name	Service Menu	
T REEL TORQUE Adjustment	“T TORQUE”	
S REEL TORQUE Adjustment	“S TORQUE”	
Photo Sensor Voltage Adjustment	“T/S PHOTO”	
A/C Head Azimuth Adjustment	“X VALUE SET”	
A/C Head X-value Adjustment	“X VALUE SET” and “X VALUE ADJ”	
PG SHIFT Adjustment	“PG SHIFT”	
LISTA R/P Sensitivity Adjustment	“RP GAIN”	
LISTA Linearity Adjustment	“RP LIN”	
Envelope Waveform Confirmation	“SERVO MODE” and “TRK VAL”	

Note :

1. Refer to Service Menu (INF-1) in the Service Information.
2. In LISTA adjustment, the power GND of the EVR jig and the GND of the mechanism should be connected.
3. Adjust and confirmation an X value by ATF playback mode (R/P).

7-5. Service Menu for Mechanism

```
    VTR SERVICE 2/2
  *T TORQUE          :      0
   S TORQUE          :      0
   PG SHIFT
       HSW_A_RISE    :  1025
       HSW_A_FALL    :  1025
   RP GAIN           :  -020
   RP LIN            :  OFF
   T/S PHOTO         : T*.*V/S*.*V
   SERVO MODE        :  ATF
   TRK VAL           :  +000
   X VALUE SET       :  OFF
   X VALUE ADJ       :  +000
```

[SERVICE MENU and ADJUSTMENT PROCEDURES]

ADJUSTMENT	SERVICE MEN	ADJUSTMENT PROCEDURE
T REEL TORQUE Adjustment	T TORQUE	① Down the carriage without a cassette. ② Select "T TORQUE" and adjust this value ③ After adjustment, select "T TORQUE".
S REEL TORQUE Adjustment	S TORQUE	① Down the carriage without a cassette. ② Select "S TORQUE" and adjust this value. ③ After adjustment, select "S TORQUE".
Photo Sensor Voltage Adjustment	T/S PHOTO	① Select "T/S PHOTO" in the EJECT condition. ② Insert the VFK1369 and measure the voltage at the test point. ③ After adjustment, select "T/S PHOTO".
A/C Head Azimuth Adjustment	X VALUE SET	① Select "X VALUE SET". "ON" will be displayed on the MENU. ② Playback the aliment tape and adjust this item. ③ After adjustment, select " X VALUE SET ".
A/C Head X-value Adjustment	VALUE SET VALUE ADJ	① Select " X VALUE SET". "ON" will be displayed on the menu. ② Select " X VALUE ADJ" in the STOP condition. "Automatic Adjustment" will be started. ③ Sops after a display value is updated. ④ Select " X VALUE SET". "OFF" will be displayed on the menu.
PG SHIFT Adjustment	PG SHIFT	① Insert the Aliment tape. ② Select "PG SHIFT" in the STOP condition. "Automatic Adjustment" will be started. ③ Sops after a display value is updated. ④ Select " PG SHIFT". "OFF" will be displayed on the menu.
LISTA R/P Sensitivity Adjustment	P GAIN	① Select "P GAIN". ② Playback Aliment Tape and adjust this item. ③ After adjustment, select "P GAIN"
LISTA Linearity Adjustment	P LIN	① Select "P LIN". "ON" will be displayed on the MENU. ② Playback Aliment Tape and adjust this item. ③ Select "P LIN". "OFF" will be displayed on the MENU.
LISTA Linearity Adjustment	SERVO MODE TRK VAL	① Select "CTL on the " SERVO MODE". (Change CTL control mode) ② Select " TRK VAL" and adjust this item. ③ After adjustment, select "TRV VAL".

Operation of Service menu

1. Set the SW position as follows;
   WHITE BAL SW : PRST
   OUTPUT SW : BARS
2. Press the MENU button so that view finder display is ON.
3. Turn the AUTO W/B BAL SW to AWB side and hold it.
4. Press the MENU button once and release.
5. Release the AUTO W/B BAL SW.
6. Press the JOG dial button three times to enter SERVICE menu.

```
→NEXT****  SERVICE  ****

  FLARE/GAMMA . .
  WHITE SHADING . .
  CAMSYS MENU . .
  VTR SERVICE 1/2 . .
  VTR SERVICE 2/2 . .
  INITIALIZE . .
  EVR DATA . .
  ERROR LOG . .
  DIF STATUS . .
  SERVICE VERSION . .
  FACTORY INITIALIZE . .
```

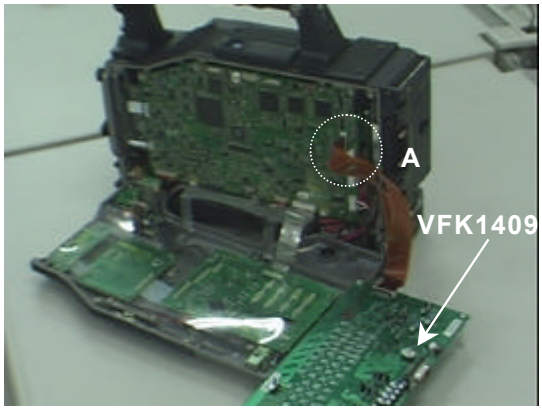
Note :

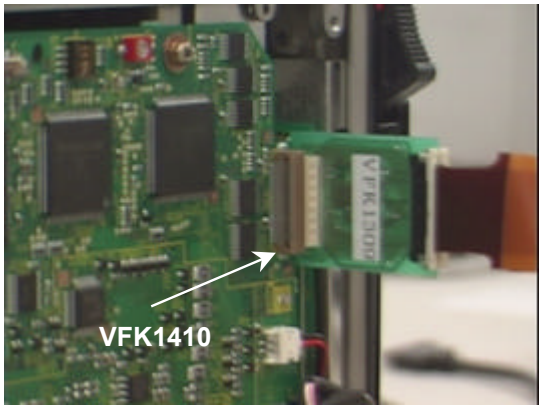
Rotate the JOG dial button to value to be changed.
Press the JOG dial button to stored the value in memory.
If turn OFF the power without colsing the SERVICE menu,
an adjustment value isn't stored.

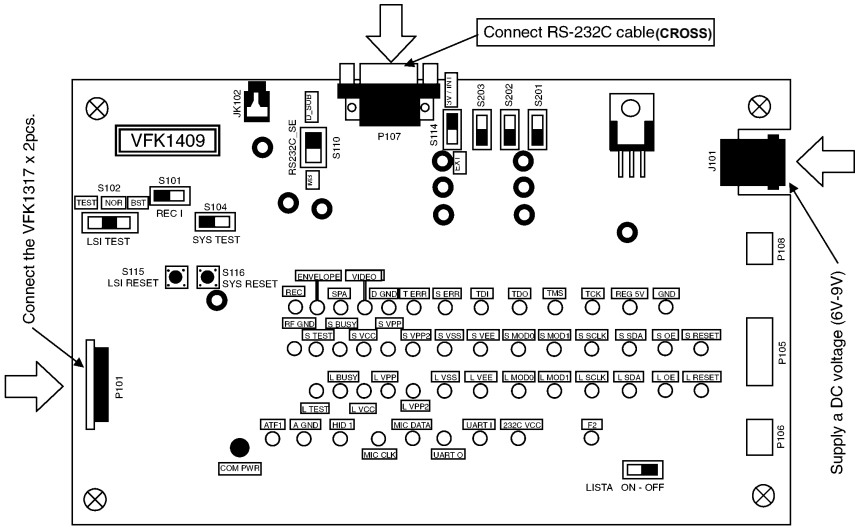
7-6. LISTA Connection and Boot Up

TAPE	VFM3581KL (LISTA)
M. EQ	Personal Computer (A/D Board should be installed.)
TOOL	VFK1481C (LISTA Software), VFK1186 (LISTA Cable), VFK1300 (A/D Converter Board), VFK1409S (Measuring Board)
TP	ATF : TP F2 (VFK1409S), HSW : TP HID1 (VFK1409S), GND : TP GND (VFK1409S)

1. Connect a PC, the Measuring Board and the AJ-D410AP as shown below.







Initial setting condition of each switch on the Measuring Board (VFK1409).

2. Connect the clips of the LISTA cable to test point on the Measuring Board. (VFK1409S) (Refer to Items **"Sensitivity Adjustment"** and **"Linearity Adjustment"**.)
3. Set the switches on the Measuring Board as shown below.

<VFK1409S>

SW REF.	NAME OF SW	SETTING POSITION
-----	LISTA ON - OFF	ON

4. Boot up the LISTA software on DOS mode

> **< How to Install and Boot Up >**
> Copy all files on the floppy disk (VFK1481C:LISTA Software) to created directly on PC (**i.e.;** C:\ LISTA).

5. After the LISTA software boot up, **<<< FORMAT SELECT >>>** display appears. Select the item **"DVCPRO"**.
6. After select the format, **<<< VTR SELECT >>>** display appears, and select the model **"AJ-D200"**.

SECTION 4

ELECTRICAL ADJUSTMENTS

CONTENTS

SYSTEM CONTROL

1-1. Real Time Clock Adjustment EAD-1
1-2. INT Frequency Adjustment EAD-1
1-3. VDDM Voltage Adjustment EAD-1

POWER

2-1. Switching Frequency Adjustment EAD-1

SERVO

3-1. T-Reel Torque Offset Adjustment EAD-2
3-2. S-Reel Torque Offset Adjustment EAD-2
3-3. Tension Offset Voltage Adjustment EAD-2
3-4. Beg./End Detect Sensitivity Adjustment EAD-2
3-5. PG Shifter Adjustment EAD-3

VIDEO

4-1. Video Out Level Adjustment (1) EAD-4
4-2. Video Out Level Adjustment (2) EAD-4
4-3. VF Out Level Adjustment EAD-5
4-4. Pb Timing Adjustment EAD-5
4-5. Pr Timing Adjustment EAD-5
4-6. Pb, Pr A/D CLAMP Level Adjustment EAD-6
4-7. Y CLAP Level Adjustment EAD-6
4-8. Y AD Input Level Adjustment EAD-7
4-9. Pb, Pr A/D CLAMP Adjustment EAD-7

CAMERA

5-1. Setting EAD-8
5-2. CAMSYS menu setting EAD-8
5-3. RAM EDITOR operation EAD-8
5-4. Initializing EAD-8
5-5. Model Setting 1 ..... EAD-9
5-6. Model Setting 2 ..... EAD-9
5-7. G ch. Input Level Adjustment EAD-10
5-8. Pre-Amp. R/B ch. Output Level Adjustment EAD-10
5-9. Pre-Amp. R/B ch. Output DC Level Adjustment EAD-10
5-10. White Clip Level Adjustment EAD-11
5-11. Pre-Amp. Output DC Level Adjustment EAD-11
5-12. Auto Adjustment: Color Temperature 3200°K EAD-12

5-13. Auto Adjustment: Color Temperature 5600°K EAD-12
5-14. Initialize EAD-13
5-15. R, B Gamma Adjustment EAD-13
5-16. White Shading Adjustment EAD-13
5-17. Pedestal Adjustment EAD-14
RF
6-1. Self-Recording RF Confirmation EAD-15
6-2. Confirmation of Interchangeability Error Rate EAD-15
AUDIO
7-1. Initial Setting EAD-16
7-2. PB Level Adjustment EAD-16
7-3. CUE PB Level Adjustment EAD-16
7-4. CUE REC Level Adjustment EAD-17
7-5. CUE REC Current Adjustment EAD-17

Electrical Adjustment

SYSTEM CONTROL

1-1. Real Time Clock Adjustment

BOARD	MAIN
TP	TP6100 (RTC CLK)
ADJ.	VC6100
MODE	EE
TAPE	-
M.EQ	Frequency Counter
SPEC.	2.048000KHz ± 0.020Hz (2.047980KHz to 2.048020KHz)

1. Adjust VC6100 so that the frequency at TP6100 is in the specification.

* Adjust in the condition that the MAIN P.C.B. was cold.

1-2. INT Frequency Adjustment

BOARD	MAIN
TP	TP8001
ADJ.	VR8283
MODE	EE
TAPE	-
M.EQ	Frequency Counter
SPEC.	28.63636KHz ± 80Hz

1. Adjust VR8283 at TP8001 so that the frequency is in the specification.

1-3. VDDM Voltage Adjustment

BOARD	MAIN
TP	TP3701(VDDM)
ADJ.	VR3701(VDDM_ADJ)
MODE	EE
TAPE	-
M.EQ	Digital Volt Meter
SPEC.	2.375V±0.02V

1. Adjust VR3701 so that the DC voltage at TP3701 is in the specification.

POWER

2-1. Switching Frequency Adjustment

BOARD	POWER
TP	TP3
ADJ.	VR3
MODE	EE
TAPE	-
M.EQ	Frequency Counter
SPEC.	119.50KHz ± 0.60KHz

1. Adjust VR3 so that the frequency at TP3 is in the specification.

* Measure 1 minute after power ON.

SERVO

3-1. T-Reel Torque Offset Adjustment

BOARD	RF&SERVO
TP	TP301,TP302(GND)
ADJ.	VR301
MODE	Service Menu
TAPE	-
M.EQ	Digital Volt Meter
SPEC.	60mV±4mV

1. Hold the cassette carriage at its down position without inserting any cassette.
2. Select VTR SERVICE 2/2.. in VTR MAIN menu using JOG dial button, and press JOG dial button.
3. Select T_TORQUE in VTR SERVICE 2/2 menu using JOG dial button, and press JOG dial button.
4. Monitoring the voltage at TP301 while locking the T-reel motor by hand, adjust VR301 so that the voltage is in the specification.
5. After finishing the adjustment, exit the Service Menu.

3-2. S-Reel Torque Offset Adjustment

BOARD	RF&SERVO
TP	TP300,TP302(GND)
ADJ.	VR300
MODE	Service Menu
TAPE	-
M.EQ	Digital Voltmeter
SPEC.	60mV±4mV

1. Hold the cassette carriage at its down position without inserting any cassette.
2. Select VTR SERVICE 2/2.. in VTR MAIN menu using JOG dial button, and press JOG dial button.
3. Select S_TORQUE in VTR SERVICE 2/2 menu using JOG dial button, and press JOG dial button.
4. Monitoring the voltage at TP300 while locking the S-reel motor by hand, adjust VR300 so that the voltage comes in the specification.
5. After finishing the adjustment, exit the Service Menu.

3-3. Tension Offset Voltage Adjustment

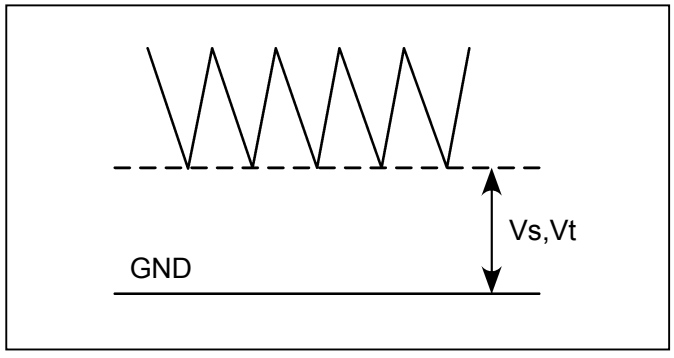
BOARD	RF&SERVO
TP	TP400(TENSION)
ADJ.	VR400
MODE	EJECT
TAPE	-
M.EQ	Digital Voltmeter
SPEC.	2.5V±0.1V

1. Adjust VR400 so that the DC voltage at TP400 is in the specification.

3-4. Beg./End Detect Sensitivity Adjustment

BOARD	RF&SERVO
TP	TP601(Vs:S PHOTO), TP600(Vt:T PHOTO)
ADJ.	VR601(Vs:S PHOTO) VR600(Vt:T PHOTO)
MODE	STOP
TAPE	VFK1369 (Tape for Beg./End Detection)
M.EQ	Oscilloscope
SPEC.	2.2V±0.6V

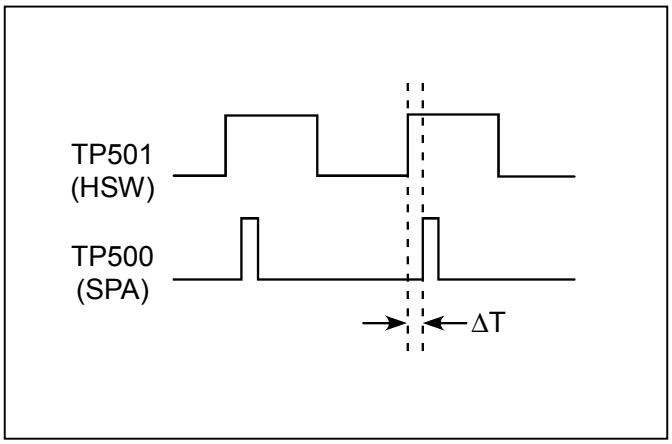
1. Select VTR SERVICE 2/2.. in VTR MAIN menu using JOG dial button, and press JOG dial button.
2. Select T/S_PHOTO in VTR SERVICE 2/2 menu using JOG dial button, and press JOG dial button.
3. Set the Tool for Tape Beg./End Detect Level Adjustment.
4. Monitoring the waveform at T/S_PHOTO menu, adjust VR600 so that the “T*.*V” is in the specification.
5. Monitoring the waveform at T/S_PHOTO menu, adjust VR601 so that the “S*.*V” is in the specification.



3-5. PG Shifter Adjustment

BOARD	RF&SERVO
TP	TP501(HSW),TP500(SPA)
ADJ.	[VTR SERVICE 2/2] PG SHIFT
MODE	STOP
TAPE	VFM3580KL (Color Bar)
M.EQ	Oscilloscope
SPEC.	ΔT=126.69±2.5μs

1. Select VTR SERVICE 2/2.. in VTR MAIN menu using JOG dial button, and press JOG dial button.
2. Select PG SHIFT in VTR SERVICE 2/2 menu using JOG dial button, and press JOG dial button.
3. Confirm that ΔT is within the specification.



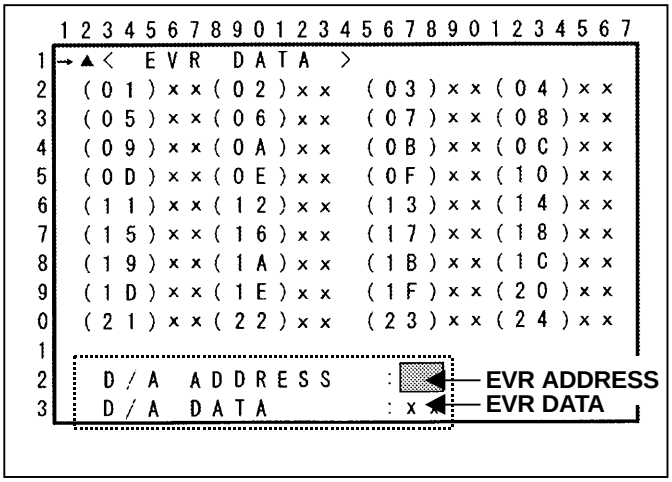
VIDEO

EVR operation

1. The operation is as follows.

D/A ADDRESS
(1) Select the D/A ADDRESS using the JOG dial button and press the JOG dial button.
(2) Change the address using the JOG dial button and press the JOG dial button.

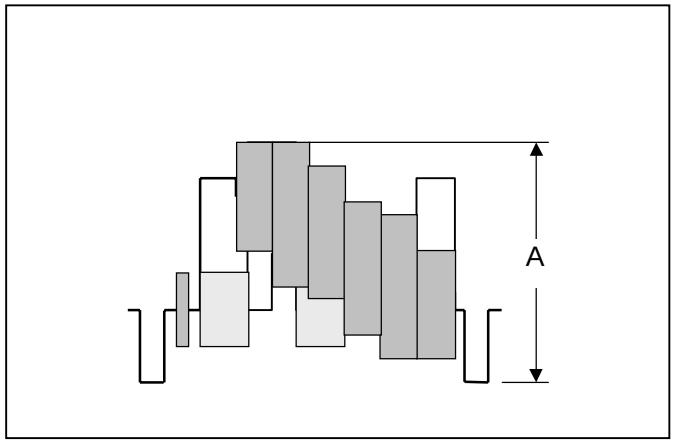
D/A DATA
(1) Select the D/A DATA using the JOG dial button and press the JOG dial button.
(2) Change the data using the JOG dial button and press the JOG dial button.



4-1. Video Out Level Adjustment (1)

BOARD	MAIN
TP	VIDEO OUT(75 ohm termination)
ADJ.	EVR [SERVICE MENU]
MODE	PLAY
TAPE	VFM3580KL (SMPT color bar)
M.EQ	WFM Monitor
SPEC	A=1.0±0.01Vp-p

1. [SERVICE MENU]
   EVR DATA..
   D/A ADDRESS:07
2. Playback the Alignment Tape and adjust D/A DATA so that the VIDEO OUT level is within the specification.

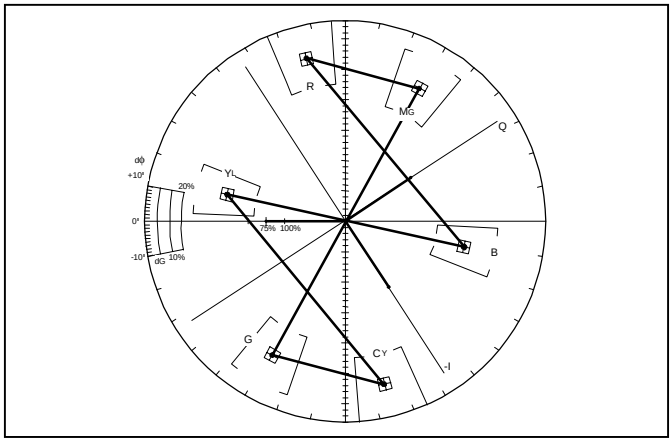


4-2. Video Out Level Adjustment (2)

BOARD	MAIN
TP	VIDEO OUT (75 ohm termination)
ADJ.	EVR [SERVICE MENU]
MODE	PLAY
TAPE	VFM3580KL (SMPT color bar 75%)
M.EQ	Vector Scope
SPEC	Shown figure

1. [SERVICE MENU]
   EVR DATA..
   D/A ADDRESS:06
2. Playback the Alignment Tape and adjust D/A DATA so that all the VIDEO OUT chroma levels come in each square frame on the Vector Scope.

<Note>
Vector Scope Setting : BARS(7.5%), SETUP(YES).

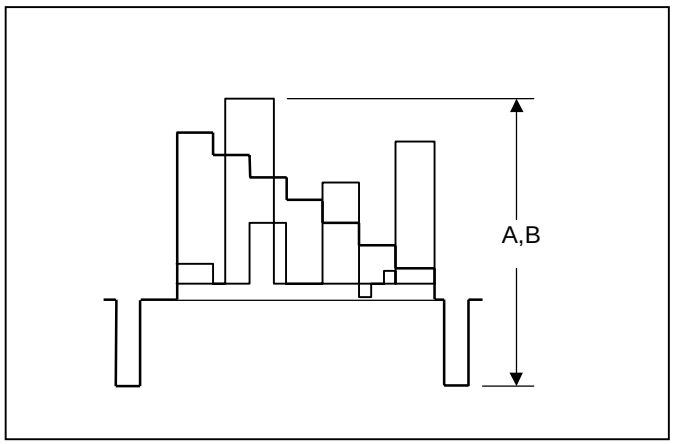


4-3. VF Out Level Adjustment

BOARD	MAIN
TP	VIDEO OUT(75ohm termination)
ADJ.	EVR [SERVICE MENU]
MODE	PLAY / EE
TAPE	VFM8530KL (SMPT color bar 75%)
M.EQ	Vector Scope
SPEC	A = 1.0 ± 0.01 Vp-p B = 1.0 ± 0.05 Vp-p

1. SW setting OUTPUT SW : BARS
2. [SERVICE MENU]
   EVR DATA..
   D/A ADDRESS:04
2. Set EE mode and adjust D/A DATA so that the level A at TP3306 is in specification.
3. Playback VFM8530KL (SMPT color bar 75%) and confirm the level B at TP3306 is within specification.

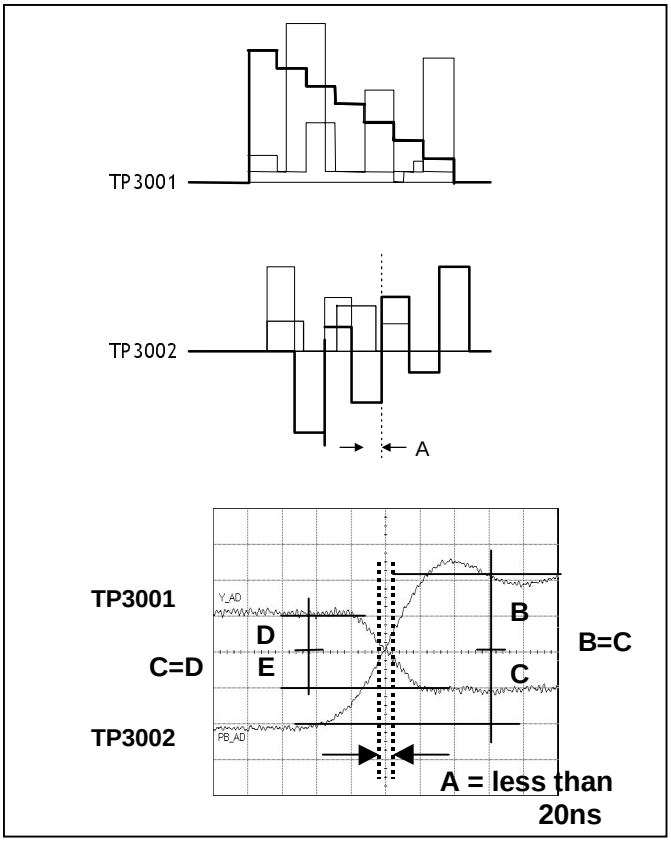
Note) Remove the View Finder.



4-4. Pb Timing Adjustment

BOARD	MAIN
TP	TP3001 [AD_Y], TP3002 [AD_PB]
ADJ.	VR3001 [PB_TMG]
MODE	EE
TAPE	-
M.EQ	Oscilloscope
SPEC	A = 0 ± 20 ns

1. SW setting OUTPUT SW : BARS
2. Expand the A position (The edge part between G and the Mg).
3. Adjust VR3001 so that Y/Pb timing A is within specification.



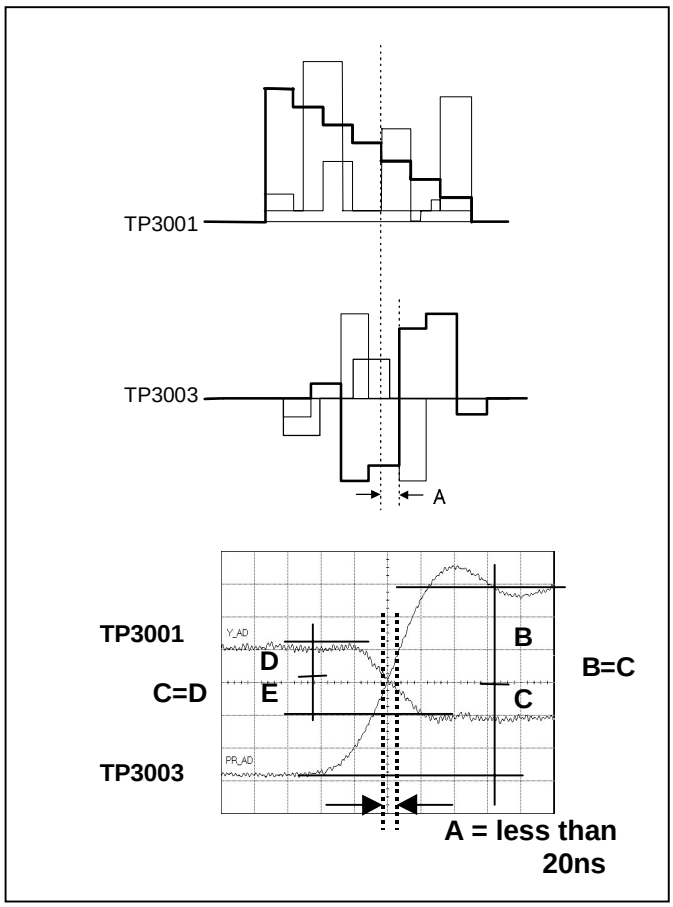
NOTE. TRIGGER : TP3414 (INH)

4-5. Pr Timing Adjustment

BOARD	MAIN
TP	TP3001 [AD_Y], TP3003 [AD_PR]
ADJ.	VR3002 [PR_TMG]
MODE	EE
TAPE	-
M.EQ	Oscilloscope
SPEC	A = 0 ± 20 ns

1. SW setting OUTPUT SW : BARS
2. Expand the A position.
   (The edge part between G and the Mg).
3. Adjust VR3002 so that Y/Pr timing A is within specification.

NOTE. TRIGGER : TP3414 (INH)



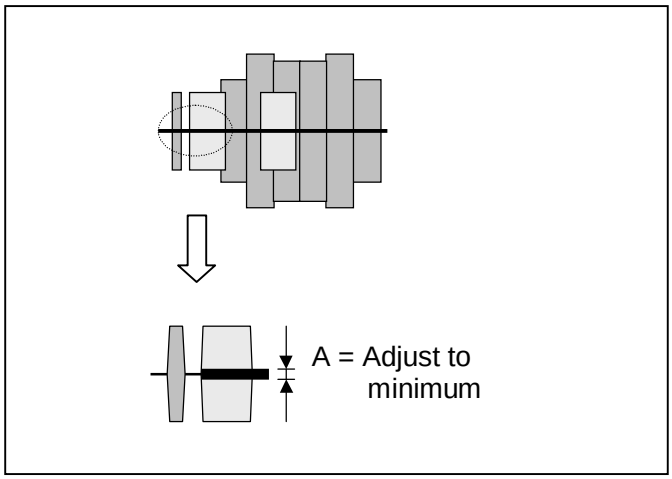
4-6. Pb, Pr A/D CLAMP level Adjustment

BOARD	MAIN
TP	VIDEO OUT (75 ohm termination)
ADJ.	EVR [SERVICE MENU]
MODE	EE
TAPE	VFM3580KL (SMPT 75% color bar)
M.EQ	Waveform monitor
SPEC	A = Adjust to minimum.

1. SW setting OUTPUT SW : BARS
2. [SERVICE MENU]
   EVR DATA.
   D/A ADDRESS : 09(PR_CLAMP)
   D/A ADDRESS : 0A(PB_CLAMP)

3. Adjust D/A "09" and "08" alternately so that the width A at VIDEO OUT is minimum.

<Note>
Waveform monitor : FILTER (CHROM), GAIN (x5).



4-7. Y CLAP Level Adjustment

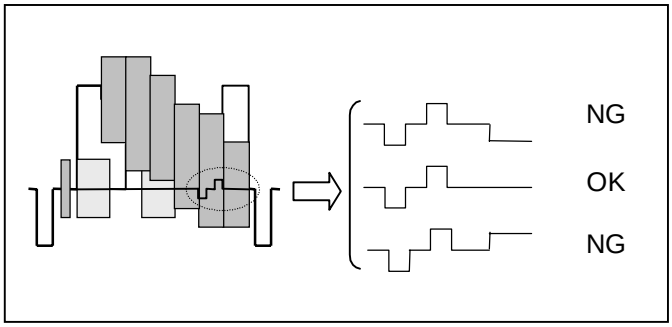
BOARD	MAIN
TP	VIDEO OUT (75ohm terminate)
ADJ.	EVR [SERVICE MENU]
MODE	EE
TAPE	VFM8530KL (SMPT 75% color bar)
M.EQ	Waveform monitor
SPEC	A = minimum (PDSTAL level)

1. SW setting OUTPUT SW : BARS
2. [SERVICE MENU]
   EVR DATA..
   D/A ADDRESS : 0B (Y_CLAMP)

3. Adjust D/A DATA "0B" so that the width A at VIDEO OUT is minimum.

<Note>
· Waveform monitor : FILTER (CHROM), GAIN (x5).

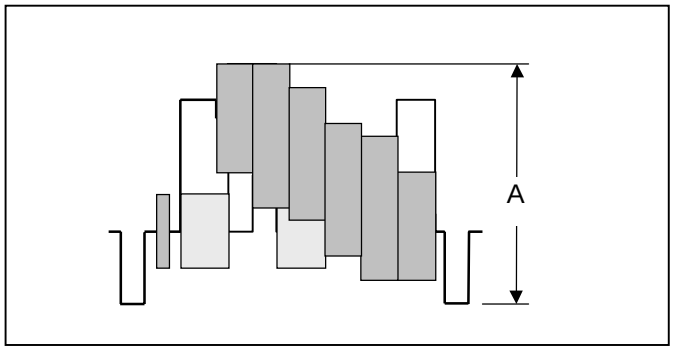
· Menu setting
VIDEO IN/OUT SETUP : 0%

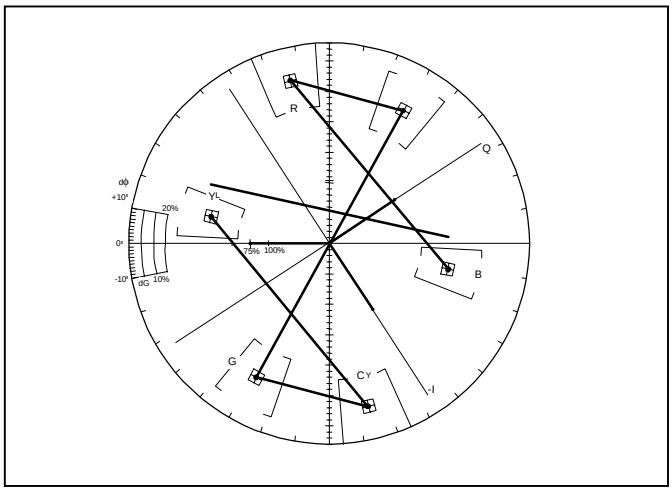


4-8. Y AD Input Level Adjustment

BOARD	MAIN
TP	VIDEO OUT (75 ohm termination)
ADJ.	VR3003 [Y_LEVEL]
MODE	EE
TAPE	-
M.EQ	Waveform monitor
SPEC	A = 1.0 ± 0.01 Vp-p

1. SW setting OUTPUT SW : BARS
2. Adjust VR3003 so that the level A at VIDEO OUT is within specification.





4-9. Pb, Pr A/D Input Level adjustment

BOARD	MAIN
TP	VFM3580KL (SMPT color bar 75%)
ADJ.	VR3004 [AD_PB], VR3005 [AD PR]
MODE	EE
TAPE	-
M.EQ	Vector Scope
SPEC	Shown figure

1. SW setting OUTPUT SW : BARS
2. Adjust VR3004 and VR3005 so that all the VIDEO OUT chroma levels come in each square frame on the Vector Scope.

<Note>

- Vector Scope Setting : BARS(7.5%),
  SETUP(YES).
- Menu setting
  VIDEO IN/OUT SETUP : 7.5%

CAMERA

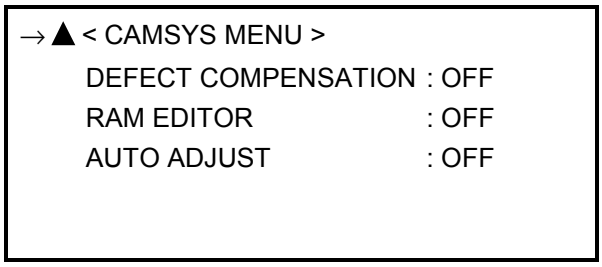
5-1. Setting

• Set the SW as follows.

GAIN : 0dBu
SCENE FILE : USER

5-2. CAMSYS menu Setting

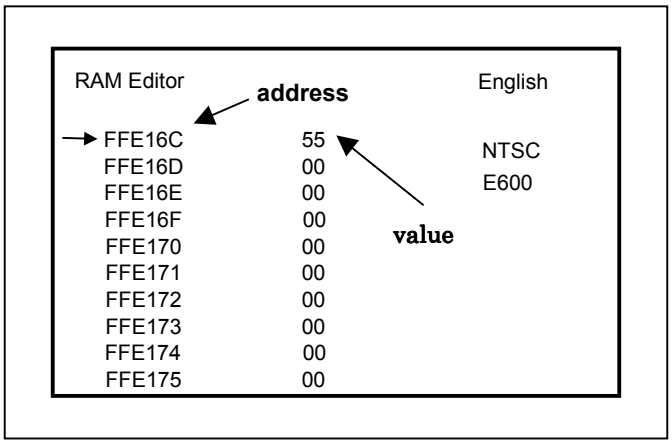
1. Select CAMSYS menu in the Service menu using JOG dial button, and press JOG dial button.
2. Select the desired item by moving cursor. Press the JOG dial button. (The "OFF" blinks)
   Turn the JOG dial button upward.



5-3. RAM EDITOR operation

1. The operation is as follows.

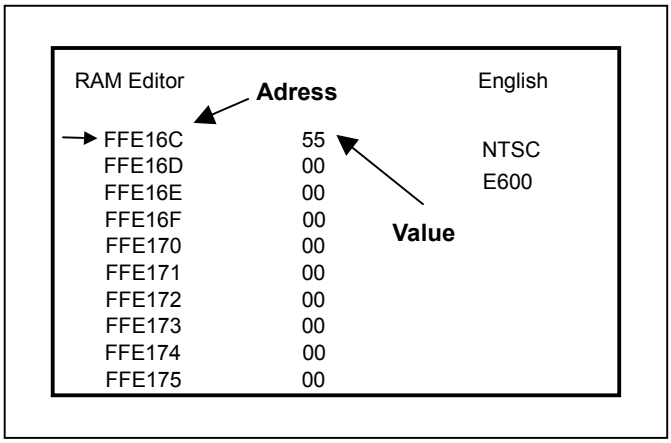
   • Address Up/Down : JOG dial button.
   • Change the setting value
   : Press the QUICK FOCUS button
   + JOG dial button.
   • Set the value : JOG dial button.



5-4. Initializing

BOARD	
M.POINT	VIDEO OUT
ADJUST	
MODE	
TAPE	
M.EQ.	Color Monitor
SPEC.	

1. Set "RAM EDITOR mode".
   * Refer to "RAM EDITOR menu operation".
2. After selecting address FFE16C and setting its value on the right to “00”, turn off power.



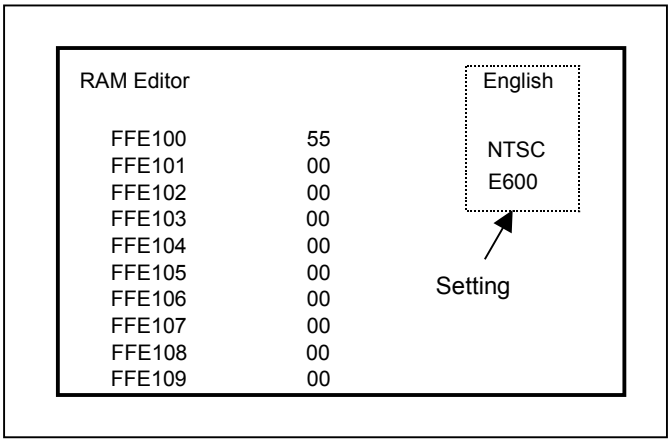
5-5. Model Setting 1

BOARD	
M.POINT	VIDEO OUT
ADJUST	
MODE	
TAPE	
M.EQ.	Color Monitor
SPEC.	

1. Set "RAM EDITOR mode".
   * Refer to "RAM EDITOR menu operation".
2. Set the dotted area as follows.

   · English
   · NTSC
   · E600

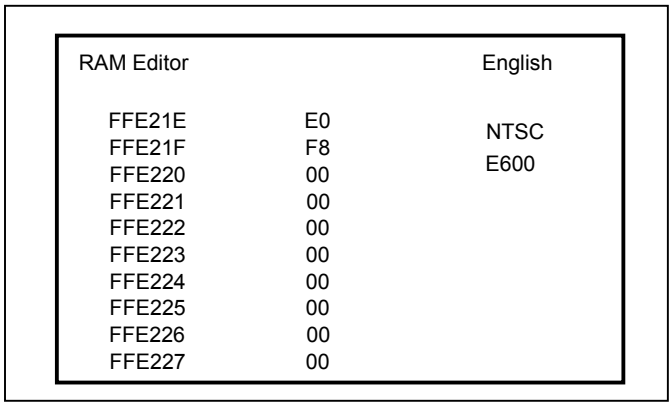
3. Turn off power.



5-6. Model Setting 2

BOARD	
M.POINT	VIDEO OUT
ADJUST	
MODE	
TAPE	
M.EQ.	Color Monitor, Vector Scope
SPEC.	714mV±15mV

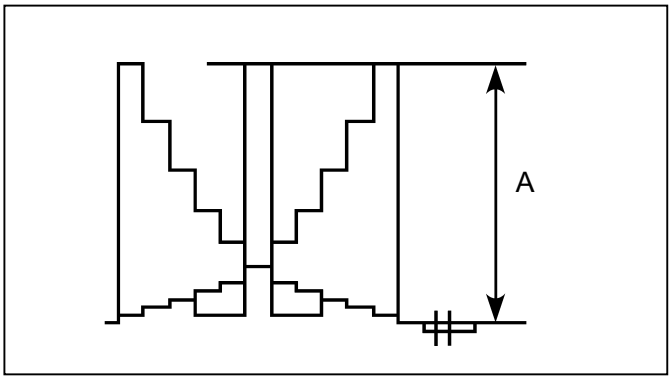
1. Set the BARS - CAM SW to CAM position.
2. Set "RAM EDITOR mode".
   * Refer to "RAM EDITOR menu operation".
3. Check to be sure that the 100% color bar signal voltage is within the specification, and if it is out of the specification, adjust the address to FF21C data.
4. Select the address FFE21F data, and adjust the color bar signal level so that the chrominance dots comes in each square frame on the vector scope. (Initial value: E0)
5. Select the address FFE21E, and adjust the color bar signal level so that the color burst level becomes 75% on the vector scope.
6. After adjustment, turn off the power.



5-7. G ch. Input Level Adjustment

BOARD	MAIN
M.POINT	TP201
ADJUST	Lens Iris
MODE	2000Lux 3200K Gray Scale
TAPE	-
M.EQ.	Oscilloscope
SPEC.	A=300mV±5mV

1. Set a "AUTO ADJUST mode".
   Refer to *CAMSYS menu operation".
2. Adjust Lens Iris so that the voltage level at TP201 is in the specification.

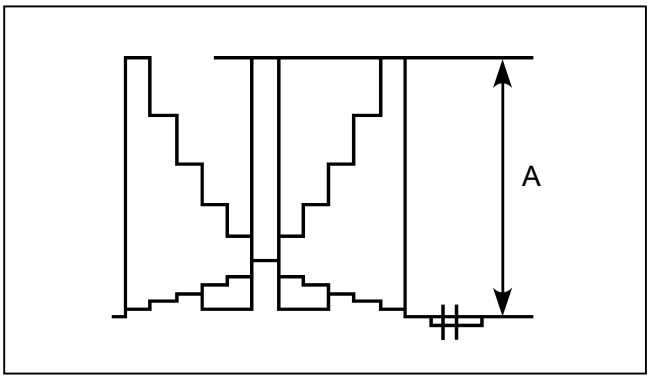


5-8. Pre-Amp. R/B ch. Output Lev el Adjustment

BOARD	PREAMP
M.POINT	TP101,TP301(MAIN P.C.B.)
ADJUST	R155,R555(PREAMP P.C.B.)
MODE	2000Lux 3200K Gray Scale
TAPE	-
M.EQ.	Oscilloscope
SPEC.	A=300mV±5mV

1. Adjust R555 so that the voltage level at TP101 is in the specification.
2. Adjust R155 so that the voltage level at TP301 is in the specification.

Note) Take note that the order of R, G, B arrangement is reversed each other between PREAMP P.C.B. and MAIN P.C.B.

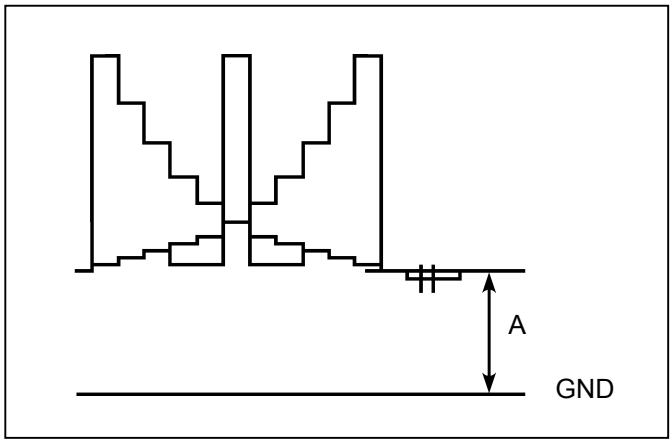


5-9. Pre-Amp. R/Bch. Output DC Level Adjustment

BOARD	PREAMP
M.POINT	TP101(Rch), TP201(Gch), TP301(Bch) (MAIN P.C.B.)
ADJUST	R163,R563 (PREAMP P.C.B.)
MODE	2000Lux 3200K Gray Scale
TAPE	-
M.EQ.	Oscilloscope
SPEC.	Rch / Gch : A = 100mV±20mV Bch : A = 300mV±20mV

1. Adjust R563 so that DC level A at TP101 is in the specification.
2. Adjust R163 so that DC level A at TP301 comes in the specification.
3. Monitor the Pre-amp. R/Bch Output Level, and if the level is out of the specification, adjust it again, then make this DC level adjustment again, and repeat these adjustments until each level is in its specification.

Note) Take note that the order of R, G, B arrangement is reversed each other between PREAMP P.C.B. and MAIN P.C.B.

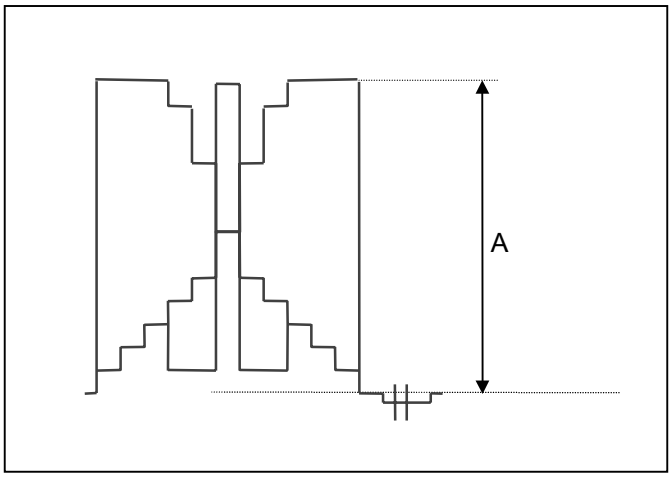


5-10. White Clip Level Adjustment

BOARD	PREAMP
M.POINT	TP7101(Rch), TP7201(Gch), TP7301(Bch) (MAIN P.C.B.)
ADJUST	R705(Rch), R701(Gch), R707(Bch) (PREAMP P.C.B.)
MODE	2000Lux 3200K Gray Scale
TAPE	-
M.EQ.	Oscilloscope
SPEC.	A=1200mV±20mV

1. Open the Iris to the full.
2. Adjust R705 so that the level A at TP7101(Rch) is in the specification.
3. Adjust R702 so that the level A at TP7201(Gch) is in the specification.
4. Adjust R707 so that the level A at TP7301(Bch) is in the specification.

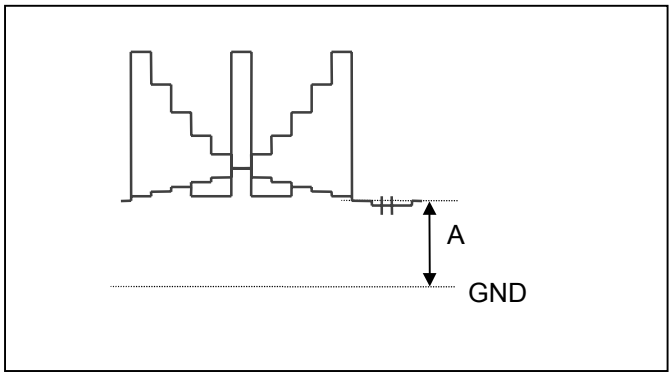
Note Take note that the order of R, G, B arrange ment is reversed each other between PRE AMP P.C.B. and MAIN P.C.B.



5-11. Pre-Amp. Output DC Level Adjustment

BOARD	PREAMP
M.POINT	TP101(Rch), TP201(Gch), TP301(Bch) (MAIN P.C.B.)
ADJUST	R563(Rch),R363(Gch), R163(Bch) (PREAMP P.C.B.)
MODE	2000Lux 3200K Gray Scale
TAPE	-
M.EQ.	Oscilloscope
SPEC.	Rch(TP101)/Gch(TP201) :100 mV ± 20 mV Bch(TP301) :300 mV ± 20 mV

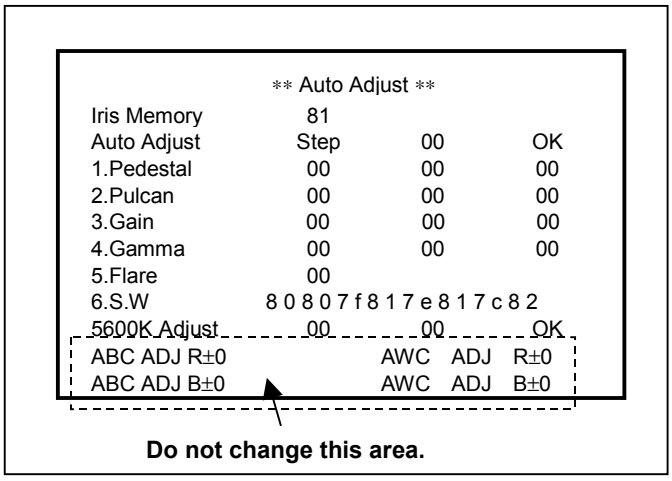
1. Adjust Iris so that DC level of Step 11 at TP201 is 300 mV ± 5 mV.
2. Adjust R363 is so that DC level A at TP201 is specification.
3. Adjust R563 is so that DC level A at TP101 is specification.
4. Adjust R163 is so that DC level A at TP301 is specification.



5-12. Auto Adjustment: Color Temperature 3200°K

BOARD	
M.POINT	
ADJUST	
MODE	2000Lux 3200K Gray Scale
TAPE	-
M.EQ.	Color Monitor
SPEC.	

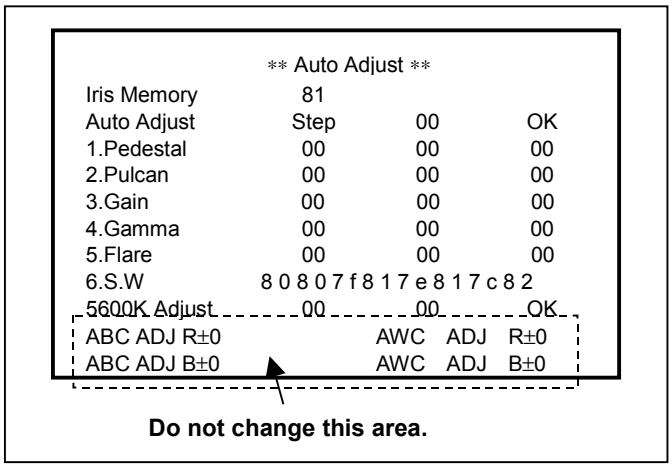
1. Switch ON No.1 of SW6300 on MAIN P.C.B.
2. Turn on power.
3. Set Optical Filter 1.
4. Select Auto Adjust menu.
   * Refer to CAMSYS menu setting.
5. Set the OUTPUT SW to CAM.
6. Make sure that the Iris setting is not change from "5-11. Pre-Amp Output DC Level Adjustment".
7. Set the Lens Iris mode to AUTO.
8. Select "Iris Memory".
   Rotate JOG dial button upward while pressing QUICK FOCUS.
9. Select "AUTO Adjust".
   Rotate JOG dial button upward while pressing QUICK FOCUS.
10. Then, the Auto Adjustment starts.
    After OK is displayed, turn off power.
    (Do not press menu button)
11. Switch OFF No.1 of SW6300 on MAIN P.C.B.



5-13. Auto Adjustment: Color Temperature 5600°K

BOARD	
M.POINT	
ADJUST	
MODE	2000Lux 3200K Gray Scale
TAPE	-
M.EQ.	Color Monitor
SPEC.	

1. Switch ON No.1 of SW6300 on MAIN P.C.B.
2. Turn on power.
3. Set Optical Filter 3.
4. Select Auto Adjust menu.
   * Refer to CAMSYS menu setting.
5. Set the OUTPUT SW to CAM.
6. Set the Lens Iris mode to AUTO.
7. Select "Iris Memory" in Auto Adjust menu.
   Rotate JOG dial button upward while pressing QUICK FOCUS.
8. Select "5600K Adjust" in Auto Adjust menu.
   Rotate JOG dial button upward while pressing QUICK FOCUS.
   Then, the Auto Adjustment starts.
9. After OK is displayed, turn off power.
   (Do not press menu button)
10. Switch OFF No.1 of SW6300 on MAIN P.C.B.



5-14. Initialize

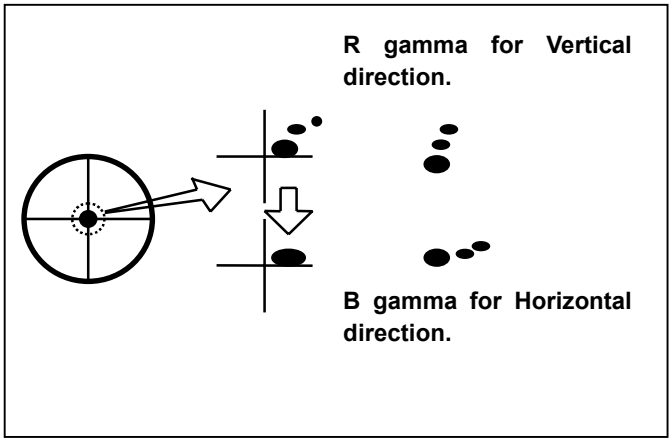
BOARD	-
M.POINT	VIDEO OUT
ADJUST	-
MODE	-
TAPE	-
M.EQ.	Color Monitor
SPEC.	-

1. Switch ON No.1 of SW6300 on MAIN P.C.B.
2. Turn ON
3. Select CAMSYS menu.
4. Select Initialize Data and press JOG dial button. Then, initialize starts.
5. Turn OFF.
6. Switch OFF No.1 of SW6300 on MAIN P.C.B.

5-15. R, B Gamma Adjustment

BOARD	MAIN
M.POINT	CAM OUT (75ohm termination)
ADJUST	EVR [SERVICE MENU]
MODE	2000Lux 3200K Gray Scale
TAPE	-
M.EQ.	WFM,Vector Scope
SPEC.	Vector dot : No spot & placed at Zero point.

1. [SERVICE MENU]
   Open FLARE / GAMMA
2. Select the lens extender to ON.
3. Connect CAM OUT to Waveform and adjust Iris so that the peek level is 80%.
4. Set WHITE BAL SW to Ach position and operate
   AWB, then operate ABB to AWB.
5. Adjust R GAMMA and B GAMMA so that the vector dot of each R and B color is located at the origin and doesn't split.
6. If the vector dot is on the origin, operate AWB and confirm the vector dot of R and B color is located at the origin
   If the vector dot is splits, adjust item 4, 5 alternately.
7. Set the extender to OFF.



5-16. White Shading Adjustment

BOARD	-
M.POINT	CAM OUT (75ohm termination)
ADJUST	EVR [SERVICE MENU]
MODE	Light Box (Spherical type) Defocus
TAPE	-
M.EQ.	WFM, Vector Scope
SPEC.	Shown bellow

1. Set the lens extender OFF condition and set electronic shutter 1/250 condition.
2. Connect a WFM to CAM OUT and set Iris so that the peak level is 80%.
2. Set WHITE BAL SW to Ach position operate and AWB, then operate ABB to AWB.
3. Open SERVICE menu and select WHITE SHADING in the WHITE SHADING menu.
4. Press the JOG dial button and then "READY" character is flashing.
5. Select "YES" using JOG dial button.
6. Defocus the lens focus.
7. Press JOG dial button and white shading correct starts.
8. Confirm that there is not extreme uneven color in the screen.
9. Set the lens extender ON condition and adjust item 1 to item7.

Note) Connect the connector of the lens to the AJ-D410A and adjust it.

5-17. Pedestal Adjustment

BOARD	-
M.POINT	CAM OUT (75ohm termination)
ADJUST	EVR [SERVICE MENU]
MODE	CLOSE
TAPE	-
M.EQ.	WFM,MONITOR
SPEC.	PEDSTAL = 5% ± 0.5%

1. Select MASTER PED as shown bellow.

   SERVICE → SCENE → PROCESS
   → MASTER PED

2. Set the value of MASTER PED to "+00."
3. Select M PED ADJ as shown bellow.

   SERVICE → FLARE/GAMMA →M PED ADJ

4. Operate ABB.
5. Connect a WFM to CAM OUT and Adjust M PED ADJ so that PEDESTAL level is in specification.

* In adjustment, Pedestal level moves, that the level is step-by-step.
  Set to the value which is the nearest 5%.

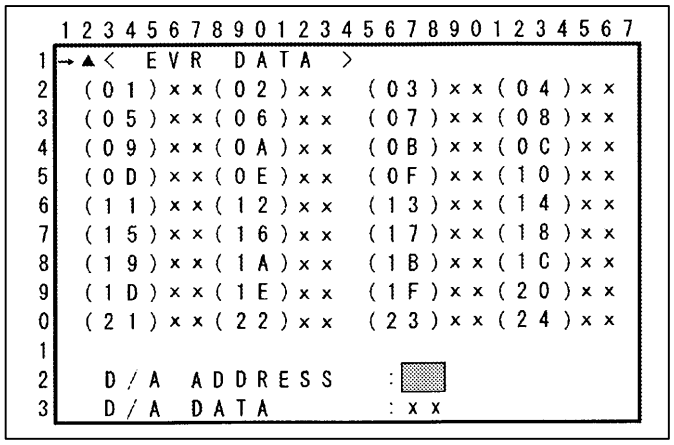
RF

6-1. Self-Recording RF Confirmation

1. Open a "EVR DATA" menu in a "SERVICE" menu

2. Set the value of the following data is "E0".

   D/A ADDRESS:(10) : EO
   D/A ADDRESS:(11) : EO



6-2. Confirmation of Interchangeability Error Rate.

1. Record CAMERA BAR (internal color bar signal) at AJ-D410A
2. Playback the recorded tape at other DVCCPRO studio VTR (ex. AJ-D850, AJ-D750) and measure error rate.
3. Playback the aliment tape (VFM3580KL) at other DVCPRO studio VTR and measure error rates.
4. Confirm the error rates is as follows.

   A : Error rate (recorded tape)
   B : Error rate (aliment tape)

   A-B = within 4 graduation

5. When the difference of error rate is equal to or more than 5 graduations, adjust about the corresponding channel.

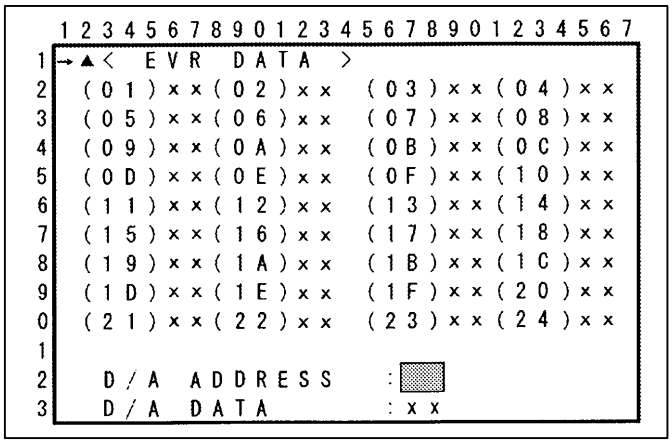
RF adjustment

(1) [SERVICE]
EVR DATA.

(2) Set the value following data is "C0" or "F0" as shown bellow.

D/A ADDRESS:(10) : L ch
D/A ADDRESS:(11) : R ch

(3) Confirm the "6-2. Confirmation of Interchangeability Error Rate" again.



AUDIO

7-1. Initial Setting

Menu setting

- Set the Menu mode as shown bellow.

< MIC / AUDIO >

FRONT MIC POWER	: OFF
FRONT MIC	: -50dB
REAR MIC CH1	: -60dB
REAR MIC CH2	: -60dB
MIC LOWCUT CH1	: OFF
MIC LOWCUT CH2	: OFF
LINE CH1 / CH2	: +4dB
REAR SEL CH1	: XLR
REAR SEL CH2	: XLR
LIMITER CH1	: OFF
LIMITER CH2	: OFF
CUE REC SEL	: CH1

- Set the switches as shown bellow.

AUDIO SELECT	
CH1	: MAN
CH2	: MAN
AUDIO IN	
CH1	: REAR LINE
CH2	: REAR LINE
REAR MIC POWER	
CH1	: OFF
CH2	: OFF

7-2. PB Level Adjustment

BOARD	MAIN
TP	AUDIO OUT CH1, CH2
ADJ.	VR4400 (CH1), VR4401 (CH2)
MODE	PLAY
TAPE	VFM3580KL (No1. 0-14min)
M.EQ	Audio Analyzer
SPEC	-6dBu ± 0dBu

1. Playback an aliment tape.
2. Adjust VR4400 so that the level at AUDIO OUT CH1 is within specification.
3. Adjust VR4401 so that the level at AUDIO OUT CH2 is within specification.

7-3. CUE PB Level Adjustment

BOARD	MAIN
TP	TP4301
ADJ.	VR4301
MODE	PLAY
TAPE	VFM3580KL (0-14mini)
M.EQ	Audio Analyzer
SPEC	-19.5dBu ± 0.5dBu

1. Playback an aliment tape.
2. Adjust VR4301 so that the level at TP4301 is within specification.

* Measure with **1kHz Band Path Filter.**

7-4. CUE REC Level Adjustment

BOARD	MAIN
TP	TP4302
ADJ.	VR4300
MODE	1KHz, +4dBu, Sine wave (REAR AUDIO IN CH1/CH2)
TAPE	EE
M.EQ	-
SPEC	Audio Analyzer
	-30.0dBu ± 0.2dBu

1. Adjust VR4300 so that the level at TP4302 is within specification.

7-5. CUE REC Current Adjustment

BOARD	CUE
TP	TP4301 MAIN P.C.B.
ADJ.	VR1102
MODE	1KHz, +4dBu, Sine Wave (REAR AUDIO IN CH1/CH2)
TAPE	REC / PLAY
M.EQ	-
SPEC	Audio Analyzer
	-19.5dBu ± 0.5dBu

1. Record in the REC/PB tape.
2. Playback the recorded position and adjust VR1102 so that level at TP4301 is within specification.
3. Adjusts items 1, 2 several times.

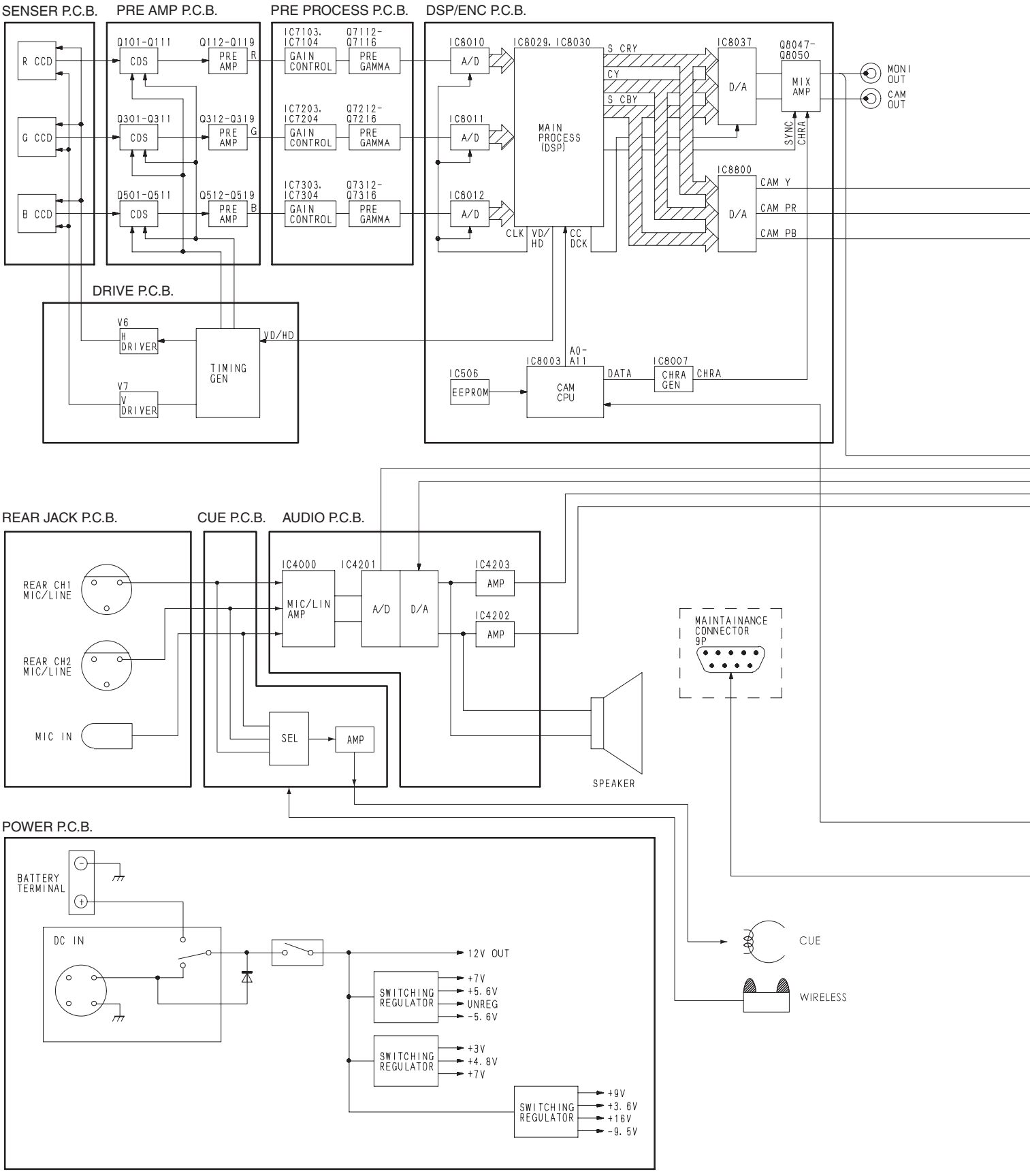
SECTION 5

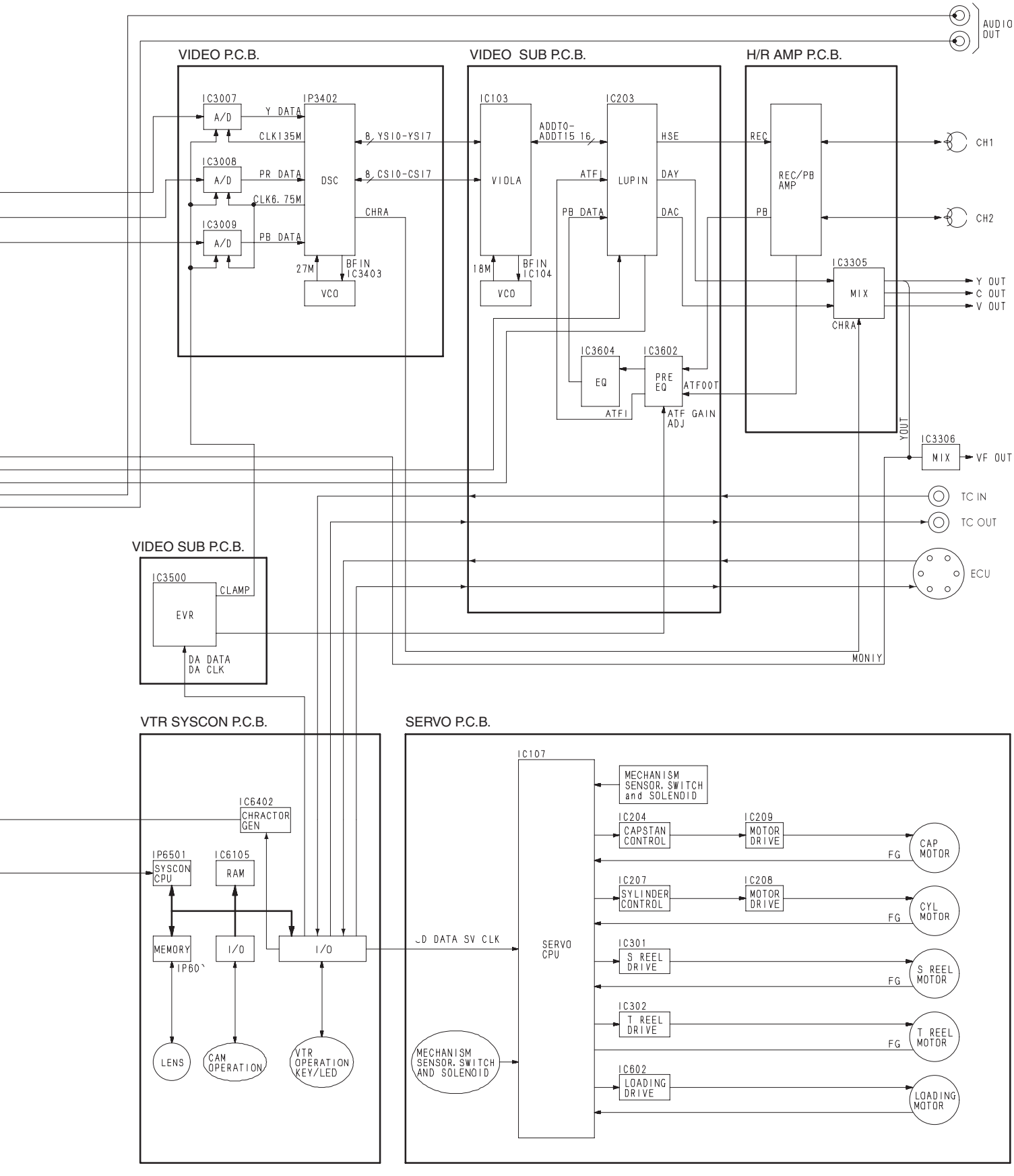
BLOCK DIAGRAMS

CONTENTS

OVERALL BLOCK DIAGRAM BLK-1
PREAMP/DRIVE BLOCK DIAGRAM BLK-3
MAIN (PRE PROCESS) BLOCK DIAGRAM BLK-5
MAIN (DSP/ENCODER) BLOCK DIAGRAM BLK-6
MAIN (VIDEO,VTR SUB) BLOCK DIAGRAM BLK-8
MAIN (AUDIO) BLOCK DIAGRAM BLK-10
RF & SERVO BLOCK DIAGRAM BLK-12
MAIN (VTR SYSCON) BLOCK DIAGRAM BLK-14
POWER BLOCK DIAGRAM BLK-16
H/R AMP DIAGRAM BLK-17
CUE DIAGRAM BLK-18
VTR SUB DIAGRAM BLK-20

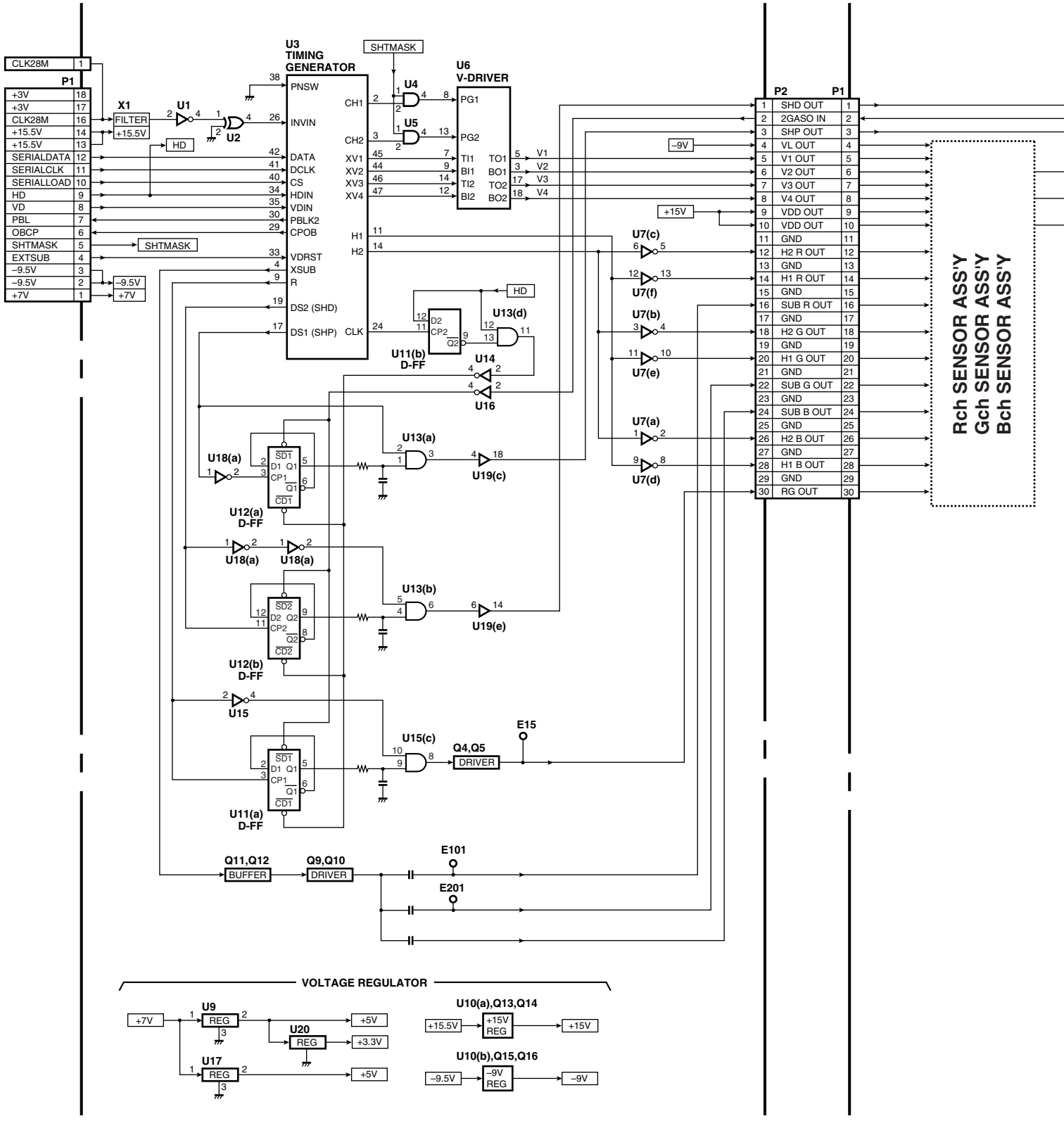
OVERALL BLOCK DIAGRAM

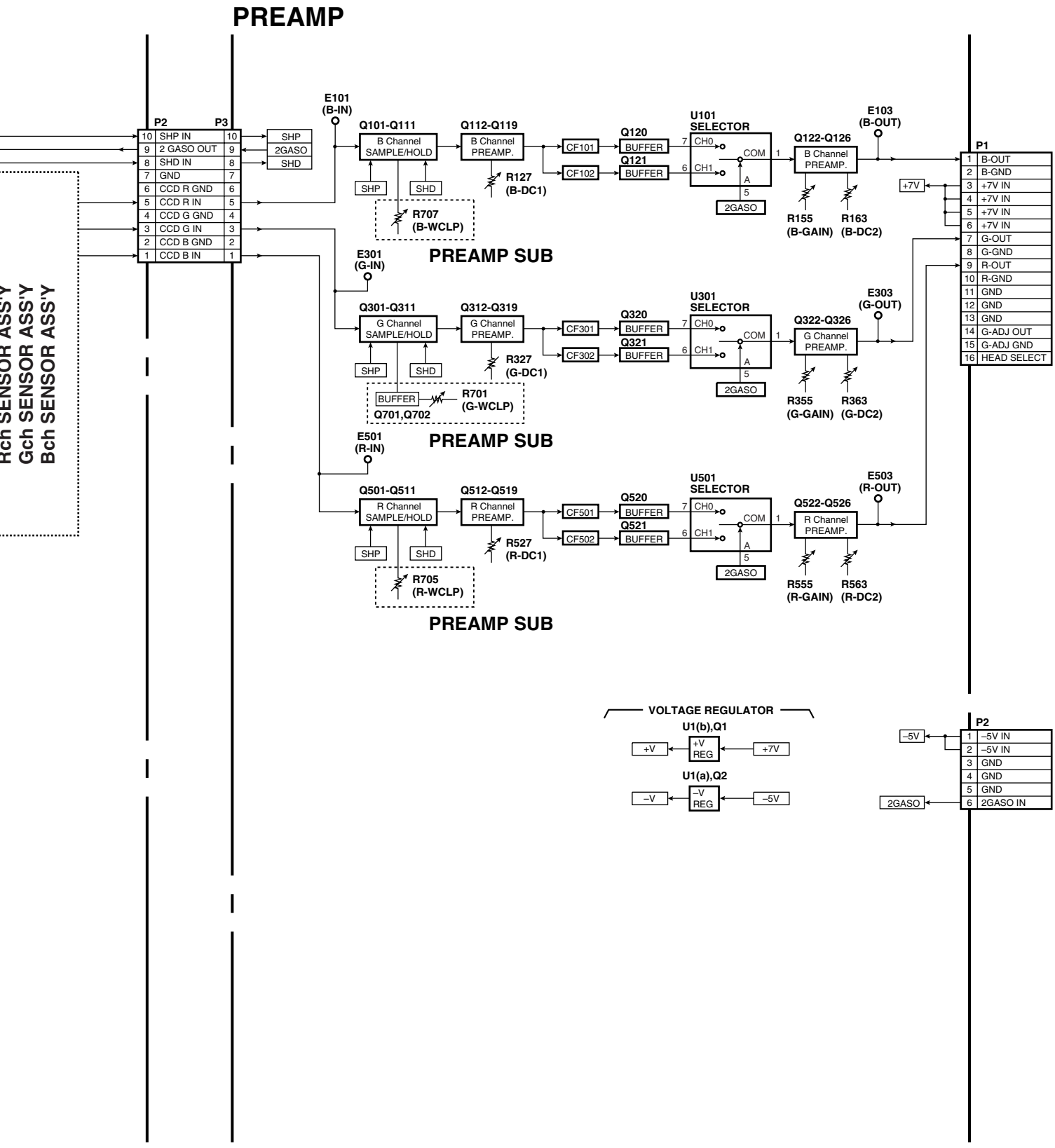



AUDIO OUT
VIDEO P.C.B.
VIDEO SUB P.C.B.
H/R AMP P.C.B.
IC3007
A/D
Y DATA
IP3402
CLK135M
8 YSI0-YSI7
IC3008
A/D
PR DATA
DSC
8 CSI0-CSI7
CLK6.75M
CHRA
IC3009
A/D
PB DATA
27M
BFIN
IC3403
VCO
IC103
VIDLA
ADDT0-
ADDT15 16
IC203
LUPIN
HSE
ATFI
DAY
PB DATA
DAC
18M
BFIN
IC104
VCO
REC
REC/PB
AMP
PB
CH1
CH2
IC3305
MIX
Y OUT
C OUT
V OUT
CHRA
IC3604
EQ
IC3602
PRE
EQ
ATF00T
ATFI
ATF GAIN
ADJ
YOUT
IC3306
MIX
VF OUT
TC IN
TC OUT
ECU
VIDEO SUB P.C.B.
IC3500
EVR
CLAMP
DA DATA
DA CLK
MONIY
VTR SYSCON P.C.B.
SERVO P.C.B.
IC6402
CHRACTOR
GEN
IP6501
SYSCON
CPU
IC6105
RAM
MEMORY
I/O
I/O
IP60
LENS
CAM
OPERATION
VTR
OPERATION
KEY/LED
D DATA SV CLK
IC107
SERVO
CPU
MECHANISM
SENSOR, SWITCH
and SOLENOID
MECHANISM
SENSOR, SWITCH
AND SOLENOID
IC204
CAPSTAN
CONTROL
IC209
MOTOR
DRIVE
CAP
MOTOR
FG
IC207
SYLINDER
CONTROL
IC208
MOTOR
DRIVE
CYL
MOTOR
FG
IC301
S REEL
DRIVE
S REEL
MOTOR
FG
IC302
T REEL
DRIVE
T REEL
MOTOR
FG
IC602
LOADING
DRIVE
LOADING
MOTOR

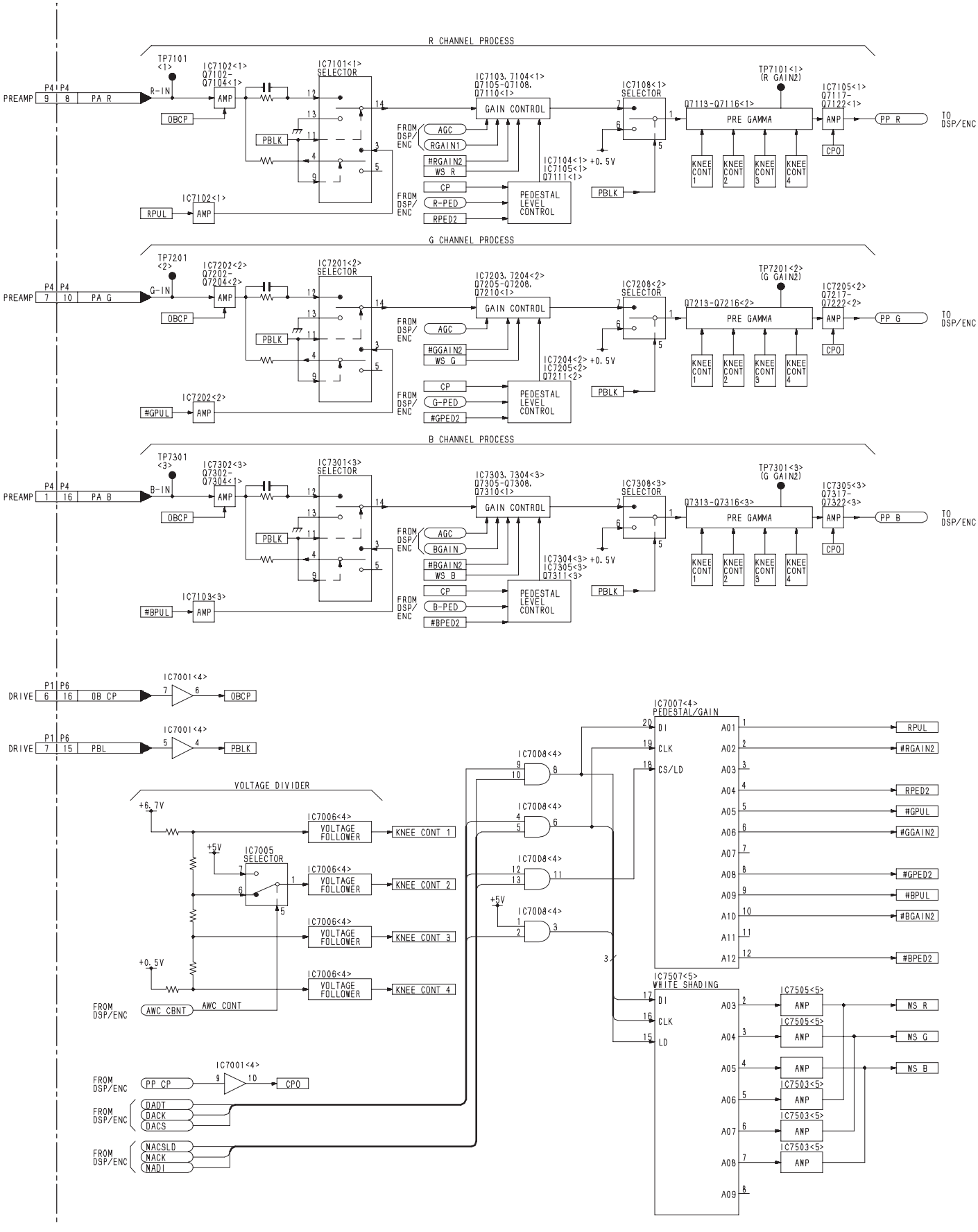
PREAMP/DRIVE BLOCK DIAGRAM

DRIVE

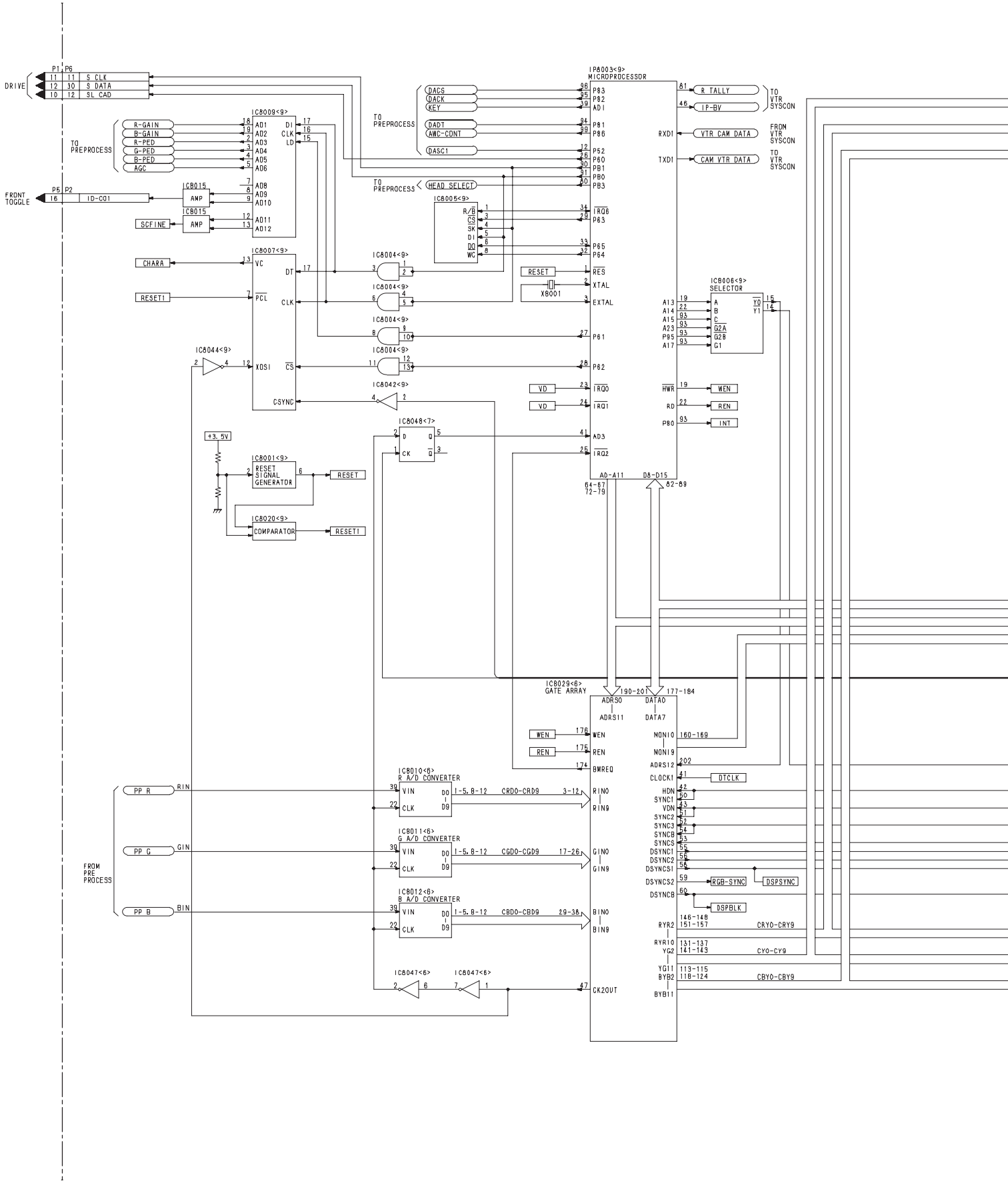


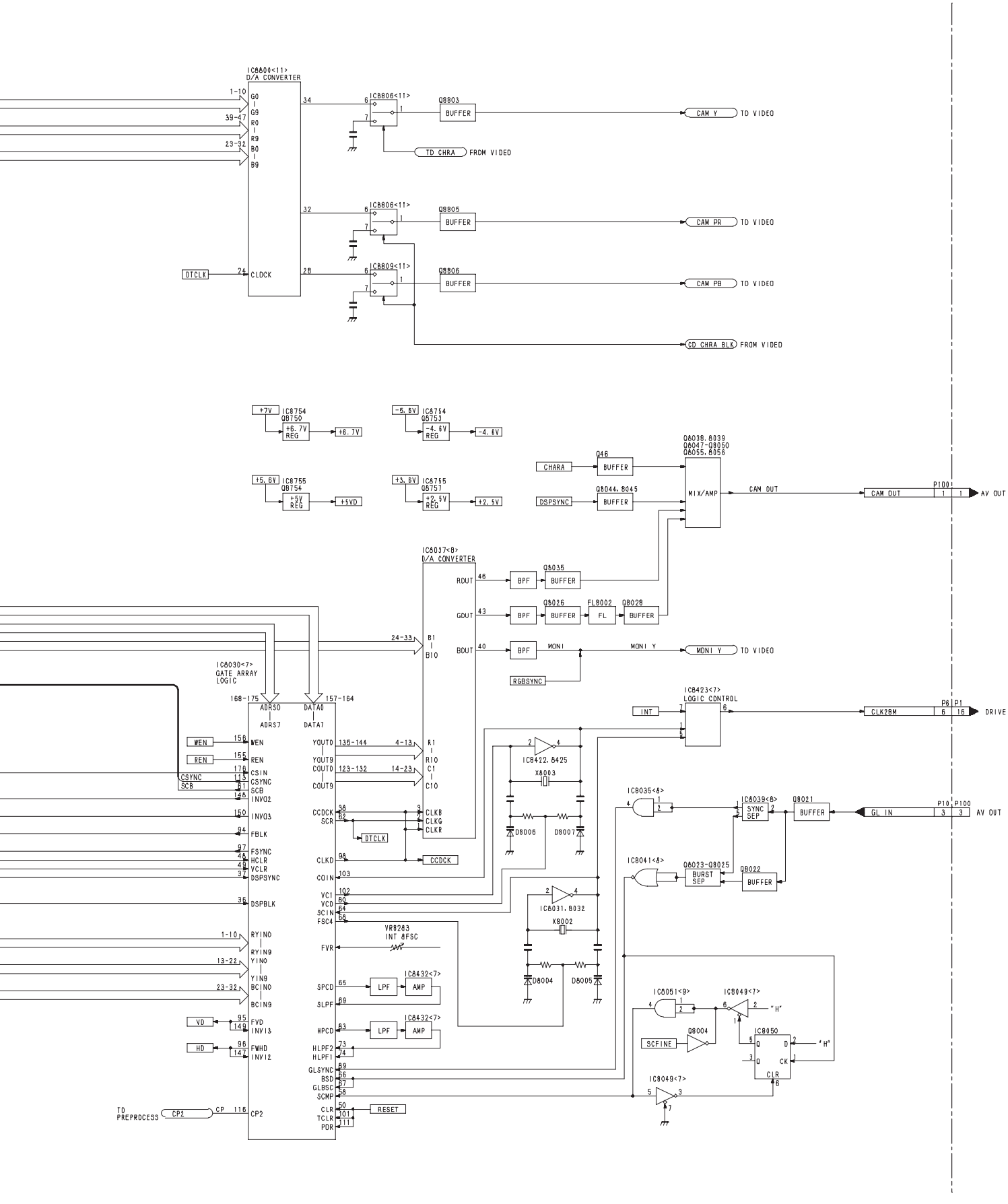

PREAMP
P2
P3
10 SHP IN 10
9 2 GASO OUT 9
8 SHD IN 8
7 GND 7
6 CCD R GND 6
5 CCD R IN 5
4 CCD G GND 4
3 CCD G IN 3
2 CCD B GND 2
1 CCD B IN 1
SHP
2GASO
SHD
E101 (B-IN)
Q101-Q111
B Channel SAMPLE/HOLD
Q112-Q119
B Channel PREAMP.
R127 (B-DC1)
R707 (B-WCLP)
CF101
CF102
Q120
Q121
BUFFER
U101 SELECTOR
CH0
CH1
COM
A
2GASO
Q122-Q126
B Channel PREAMP.
R155 (B-GAIN)
R163 (B-DC2)
E103 (B-OUT)
PREAMP SUB
E301 (G-IN)
Q301-Q311
G Channel SAMPLE/HOLD
Q312-Q319
G Channel PREAMP.
R327 (G-DC1)
BUFFER
R701 (G-WCLP)
Q701,Q702
CF301
CF302
Q320
Q321
U301 SELECTOR
Q322-Q326
G Channel PREAMP.
R355 (G-GAIN)
R363 (G-DC2)
E303 (G-OUT)
PREAMP SUB
E501 (R-IN)
Q501-Q511
R Channel SAMPLE/HOLD
Q512-Q519
R Channel PREAMP.
R527 (R-DC1)
R705 (R-WCLP)
CF501
CF502
Q520
Q521
U501 SELECTOR
Q522-Q526
R Channel PREAMP.
R555 (R-GAIN)
R563 (R-DC2)
E503 (R-OUT)
PREAMP SUB
Rch SENSOR ASS'Y
Gch SENSOR ASS'Y
Bch SENSOR ASS'Y
P1
1 B-OUT
2 B-GND
3 +7V IN
4 +7V IN
5 +7V IN
6 +7V IN
7 G-OUT
8 G-GND
9 R-OUT
10 R-GND
11 GND
12 GND
13 GND
14 G-ADJ OUT
15 G-ADJ GND
16 HEAD SELECT
+7V
VOLTAGE REGULATOR
U1(b),Q1
+V
+V REG
+7V
U1(a),Q2
–V
–V REG
–5V
P2
1 –5V IN
2 –5V IN
3 GND
4 GND
5 GND
6 2GASO IN
–5V
2GASO

MAIN(PRE PROCESS) BLOCK DIAGRAM

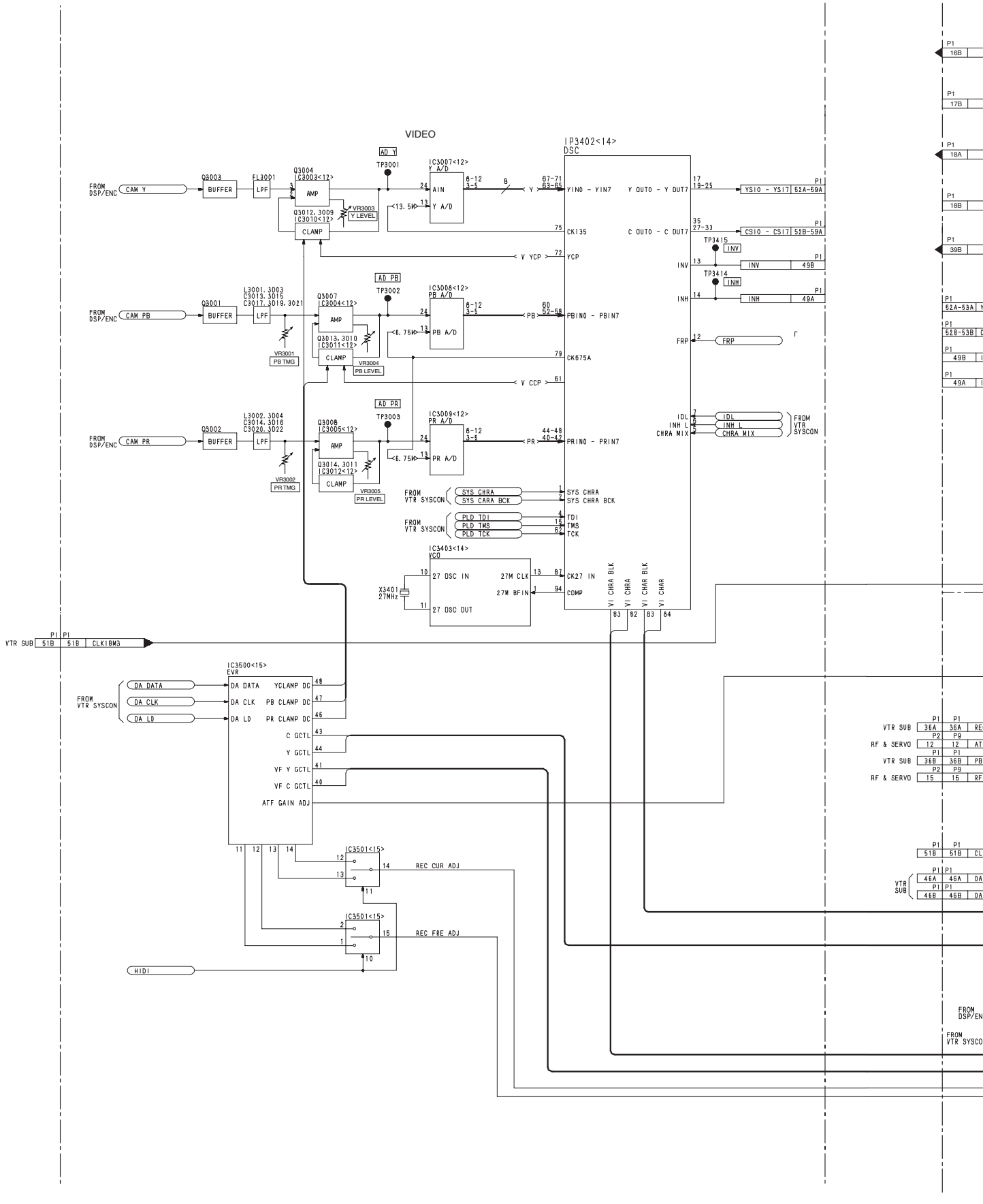


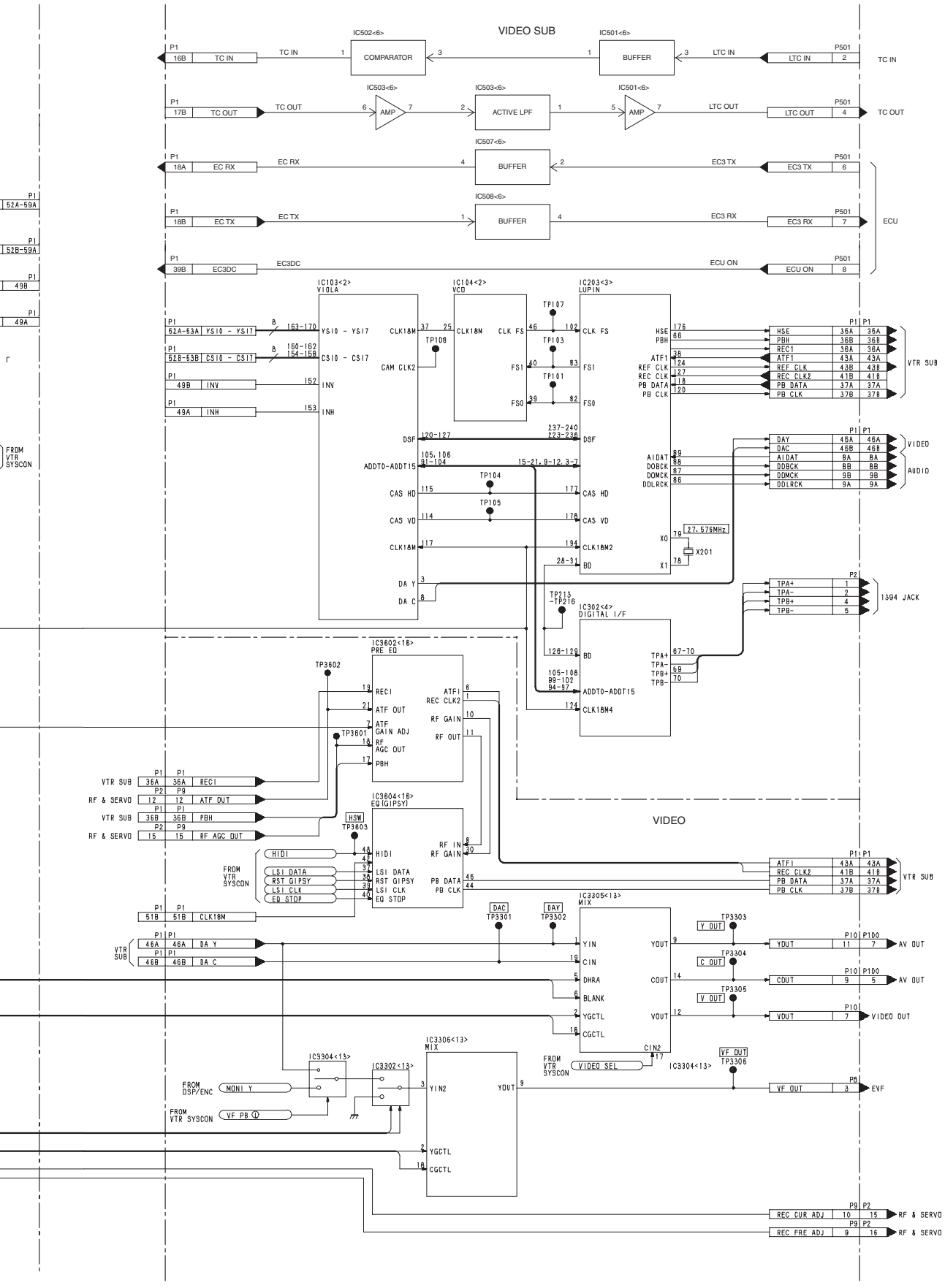
MAIN(DSP/ENCODER) BLOCK DIAGRAM



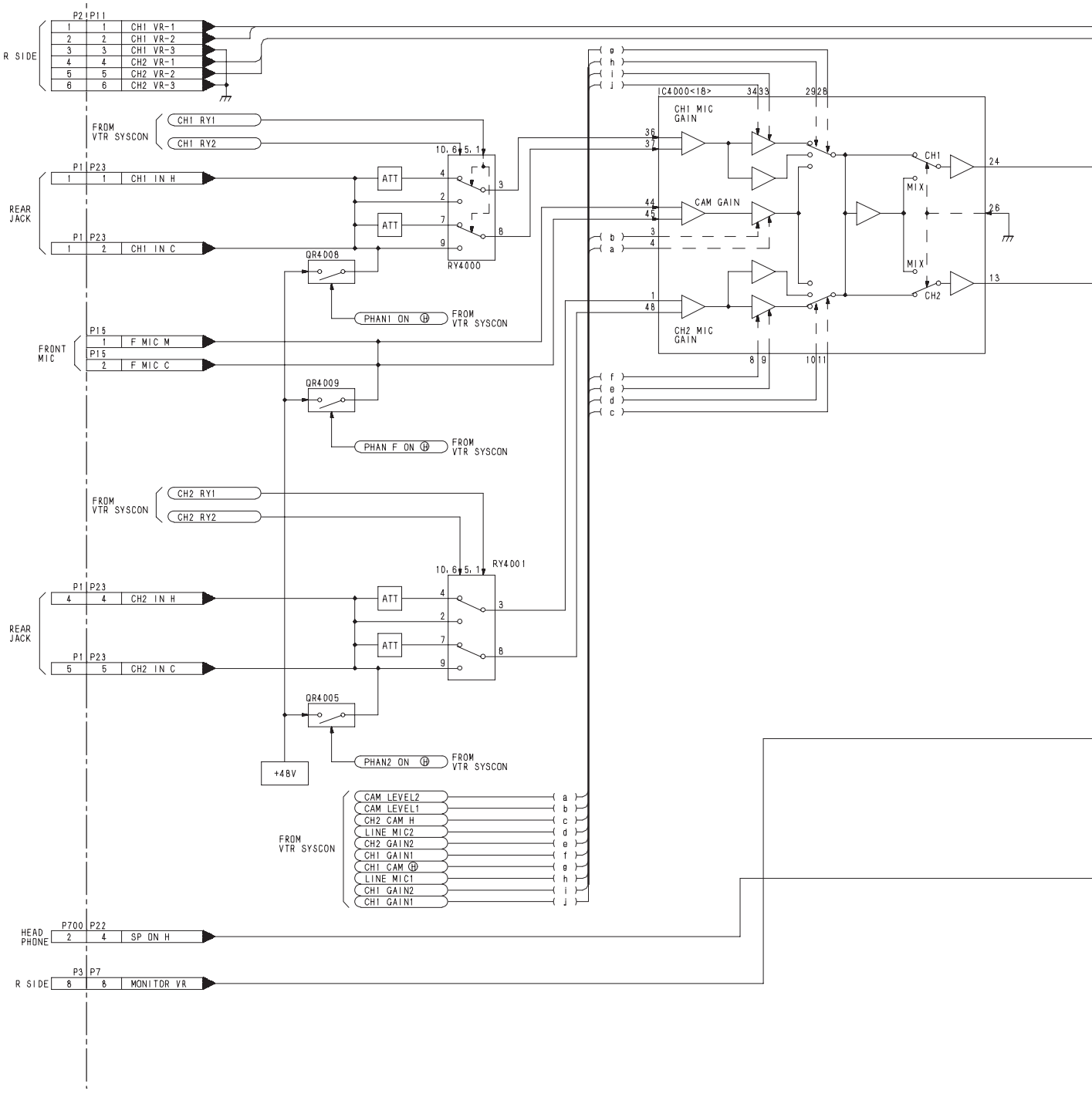

IC8800<11>
D/A CONVERTER
G0
G9
R0
R9
B0
B9
CLOCK
DTCLK
IC8806<11>
IC8809<11>
Q8803
Q8805
Q8806
BUFFER
CAM Y
CAM PR
CAM PB
TO VIDEO
TO CHRA
FROM VIDEO
CD CHRA BLK
+7V
IC8754
Q8750
+6.7V REG
+6.7V
-5.6V
Q8753
-4.6V REG
-4.6V
+5.6V
Q8754
+5V REG
+5VD
+3.6V
Q8757
+2.5V REG
+2.5V
CHARA
DSPSYNC
Q46
Q8044, 8045
Q8038, 8039
Q8047-Q8050
Q8055, 8056
MIX/AMP
CAM OUT
P100
AV OUT
IC8037<8>
D/A CONVERTER
RDOUT
GDOUT
BDOUT
BPF
Q8035
Q8026
FL8002
FL
Q8028
MONI
MONI Y
RGBSYNC
IC8030<7>
GATE ARRAY
LOGIC
ADR30
ADR37
DATA0
DATA7
WEN
REN
CSIN
CSYNC
SCB
INVO2
INVO3
FBLK
FSYNC
HCLR
VCLR
DSPSYNC
DSPBLK
RYIN0
RYIN9
YIN0
YIN9
BCIN0
BCIN9
FVD
INV13
FWHD
INV12
CP2
YOUT0
YOUT9
COUT0
COUT9
CCDCK
SCR
CLKD
COIN
VCI
VCD
SCIN
FSC4
FVR
SPCD
SLPF
HPCD
HLPF2
HLPF1
GLSYNC
BSD
GLBSC
SCMP
CLR
TCLR
POR
R1
R10
C1
C10
CLKB
CLKG
CLKR
VR8203
INT 8FSC
IC8432<7>
LPF
AMP
RESET
TO PREPROCESS
IC8423<7>
LOGIC CONTROL
INT
CLK28M
DRIVE
IC8422, 8425
X8003
D8006
D8007
IC8031, 8032
X8002
D8004
D8005
IC8035<8>
IC8039<8>
SYNC SEP
Q8021
BUFFER
GL IN
IC8041<8>
Q8023-Q8025
BURST SEP
Q8022
IC8051<9>
IC8049<7>
"H"
SCFINE
Q8004
IC8050
CK
CLR

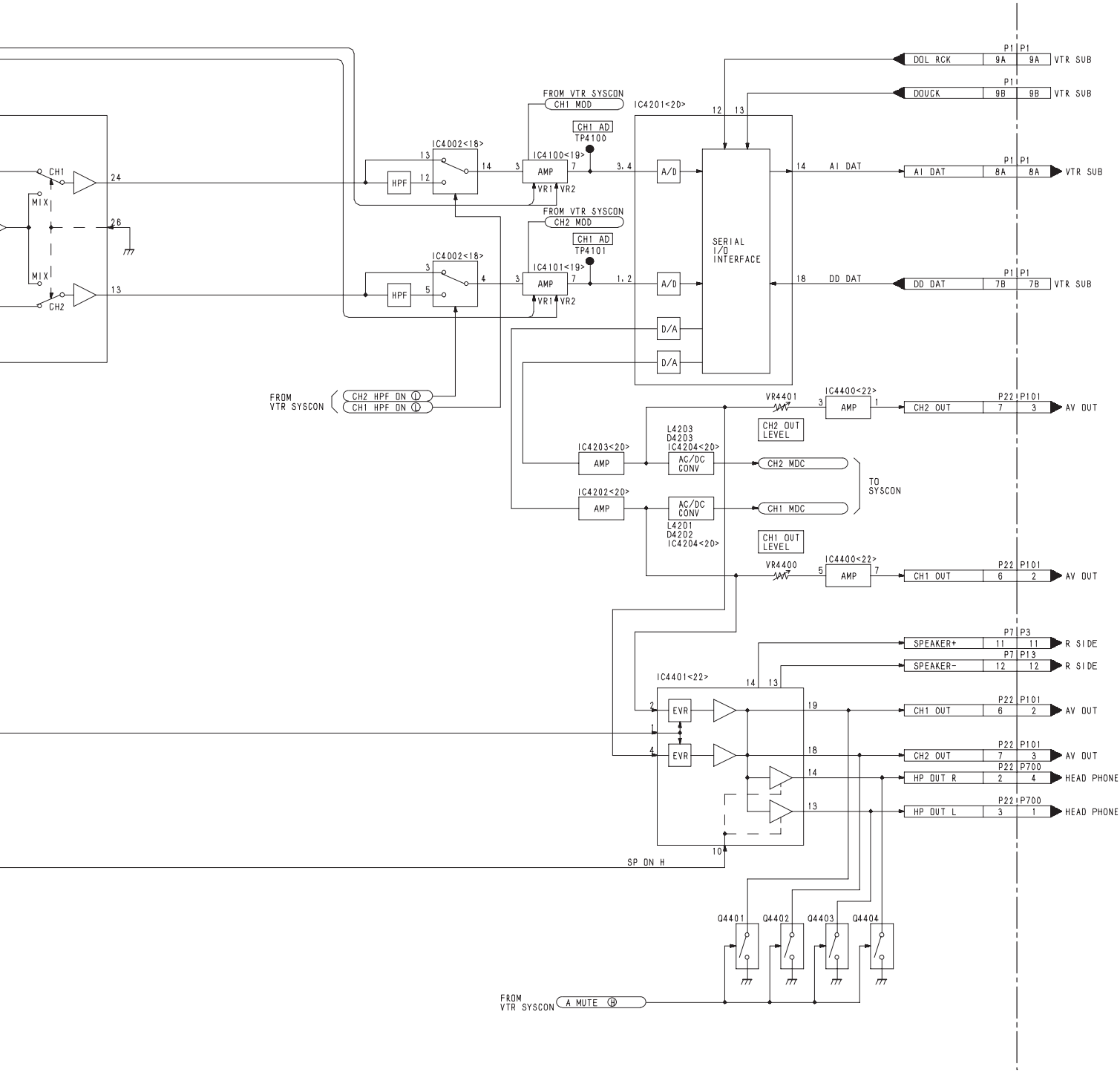
MAIN(VIDEO,VTR SUB) BLOCK DIAGRAM



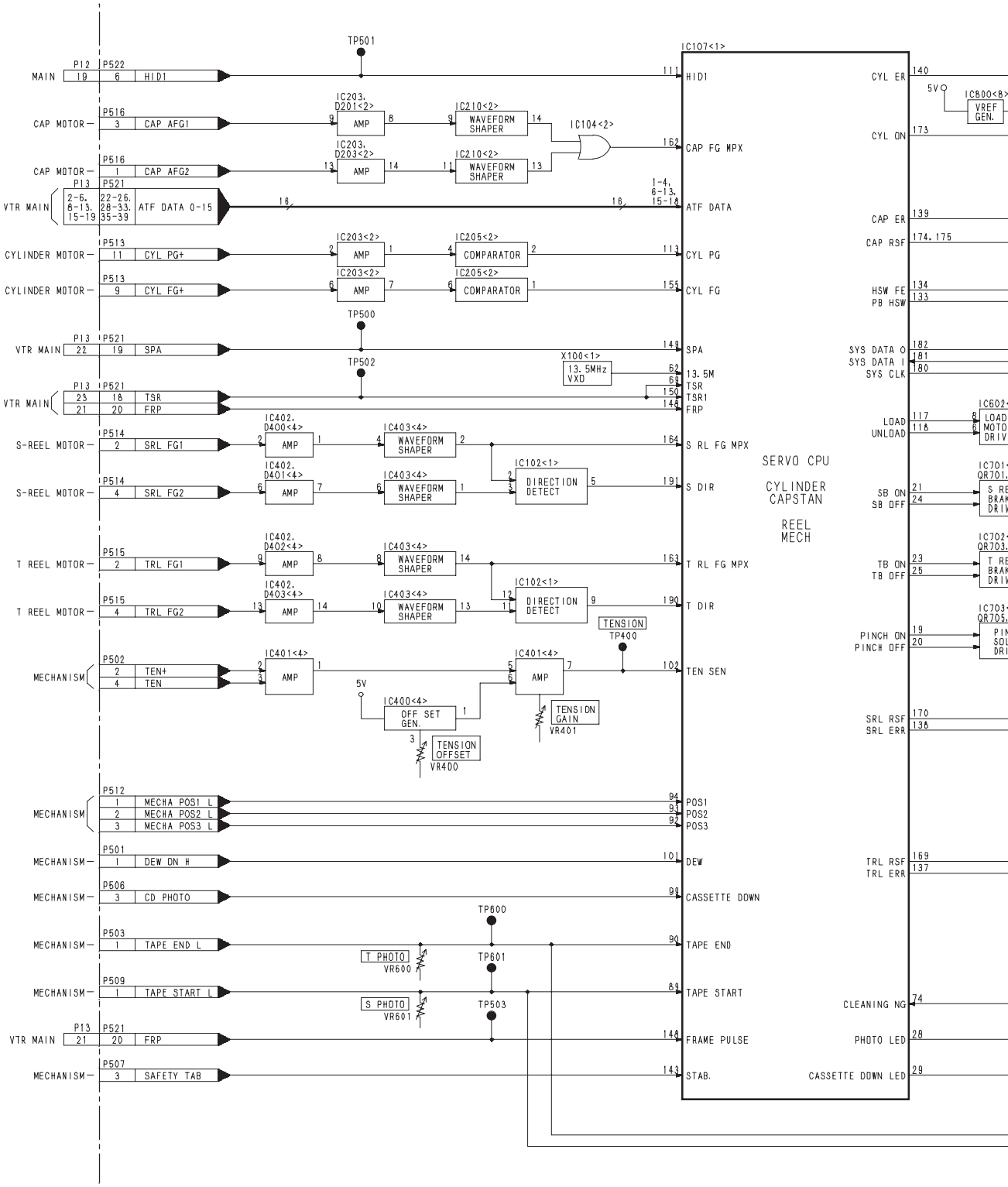

VIDEO SUB
IC502<6>
COMPARATOR
IC501<6>
BUFFER
TC IN
LTC IN
IC503<6>
AMP
ACTIVE LPF
IC501<6>
AMP
TC OUT
LTC OUT
IC507<6>
BUFFER
EC RX
EC3 TX
IC508<6>
BUFFER
EC TX
EC3 RX
EC3DC
ECU ON
ECU
IC103<2>
VIOLA
IC104<2>
VCO
IC203<3>
LUPIN
YS10 - YS17
CS10 - CS17
INV
INH
CLK18M
CAM CLK2
CLK FS
FS1
FS0
DSF
ADDT0-ADDT15
CAS HD
CAS VD
CLK18M2
BD
DA Y
DA C
HSE
PBH
REC1
ATF1
REF CLK
REC CLK2
PB DATA
PB CLK
AIDAT
DOBCK
DOMCK
DDLRCK
VTR SUB
VIDEO
AUDIO
X0
X1
27.575MHz
X201
FROM VTR SYSCON
IC302<4>
DIGITAL I/F
TPA+
TPA-
TPB+
TPB-
1394 JACK
IC3602<18>
PRE EQ
REC1
ATF OUT
ATF GAIN ADJ
RF AGC OUT
PBH
ATF1
REC CLK2
RF GAIN
RF OUT
IC3604<18>
EQ(GIPSY)
HSW
HIDI
LSI DATA
RST GIPSY
LSI CLK
EQ STOP
RF IN
PB DATA
PB CLK
CLK18M4
VIDEO
IC3305<13>
MIX
YIN
CIN
DHRA
BLANK
YGCTL
CGCTL
YOUT
COUT
VOUT
CIN2
DAC
DAY
Y OUT
C OUT
V OUT
AV OUT
VIDEO OUT
VIDEO SEL
IC3304<13>
IC3302<13>
IC3306<13>
MIX
YIN2
MONI Y
VF PB
VF OUT
EVF
REC CUR ADJ
REC FRE ADJ
RF & SERVO

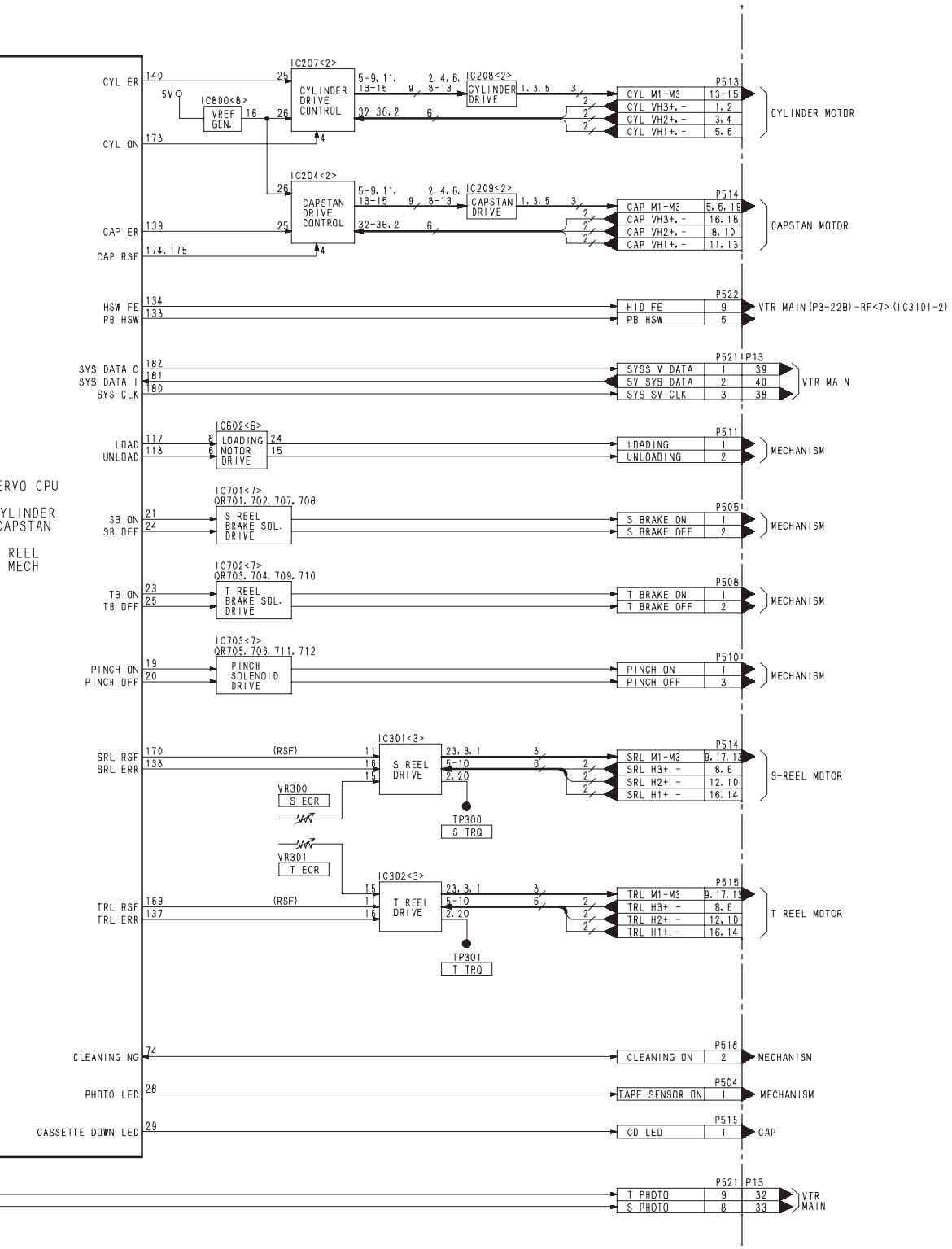
MAIN(AUDIO) BLOCK DIAGRAM



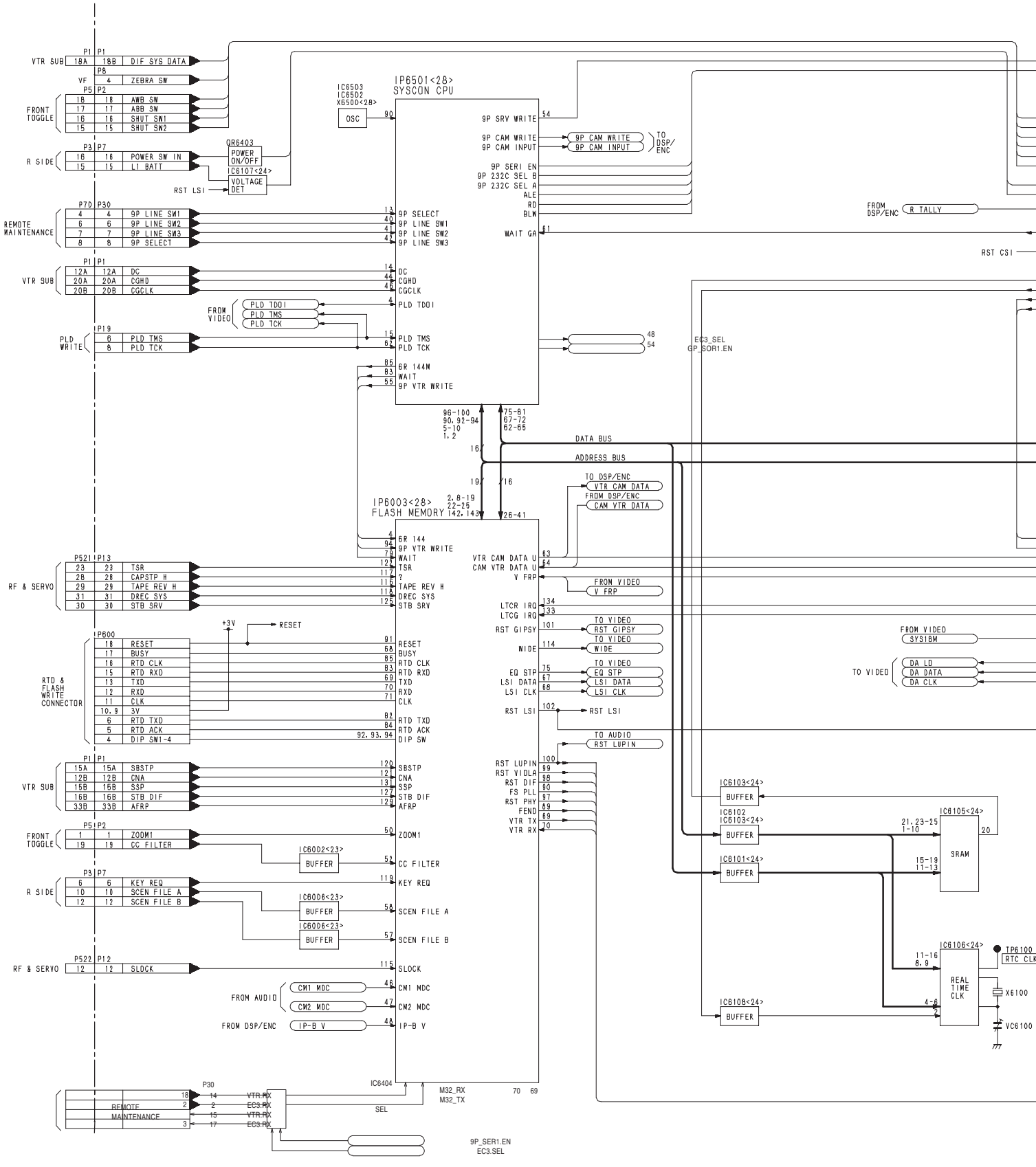

CH1
MIX
24
26
MIX
CH2
13
HPF
12
IC4002<18>
13
14
3
IC4100<19>
AMP
7
3, 4
VR1
VR2
FROM VTR SYSCON
CH1 MOD
CH1 AD
TP4100
IC4201<20>
12
13
A/D
SERIAL
I/O
INTERFACE
14
AI DAT
P1 P1
AI DAT
8A 8A
VTR SUB
DOL RCK
9A 9A
VTR SUB
DOUCK
9B 9B
VTR SUB
FROM VTR SYSCON
CH2 MOD
CH1 AD
TP4101
IC4002<18>
3
4
IC4101<19>
1, 2
18
DD DAT
DD DAT
7B 7B
VTR SUB
D/A
D/A
FROM
VTR SYSCON
CH2 HPF ON
CH1 HPF ON
VR4401
CH2 OUT
LEVEL
IC4400<22>
AMP
CH2 OUT
7 3
AV OUT
L42D3
D42D3
IC4204<20>
IC4203<20>
AMP
AC/DC
CONV
CH2 MDC
TO
SYSCON
IC4202<20>
AMP
AC/DC
CONV
CH1 MDC
L42D1
D42D2
IC4204<20>
CH1 OUT
LEVEL
VR4400
IC4400<22>
AMP
CH1 OUT
6 2
AV OUT
P7 P3
SPEAKER+
11 11
R SIDE
P7 P13
SPEAKER-
12 12
R SIDE
IC4401<22>
EVR
EVR
CH1 OUT
6 2
AV OUT
CH2 OUT
7 3
AV OUT
HP OUT R
2 4
HEAD PHONE
HP OUT L
3 1
HEAD PHONE
SP ON H
Q4401
Q4402
Q4403
Q4404
FROM
VTR SYSCON
A MUTE

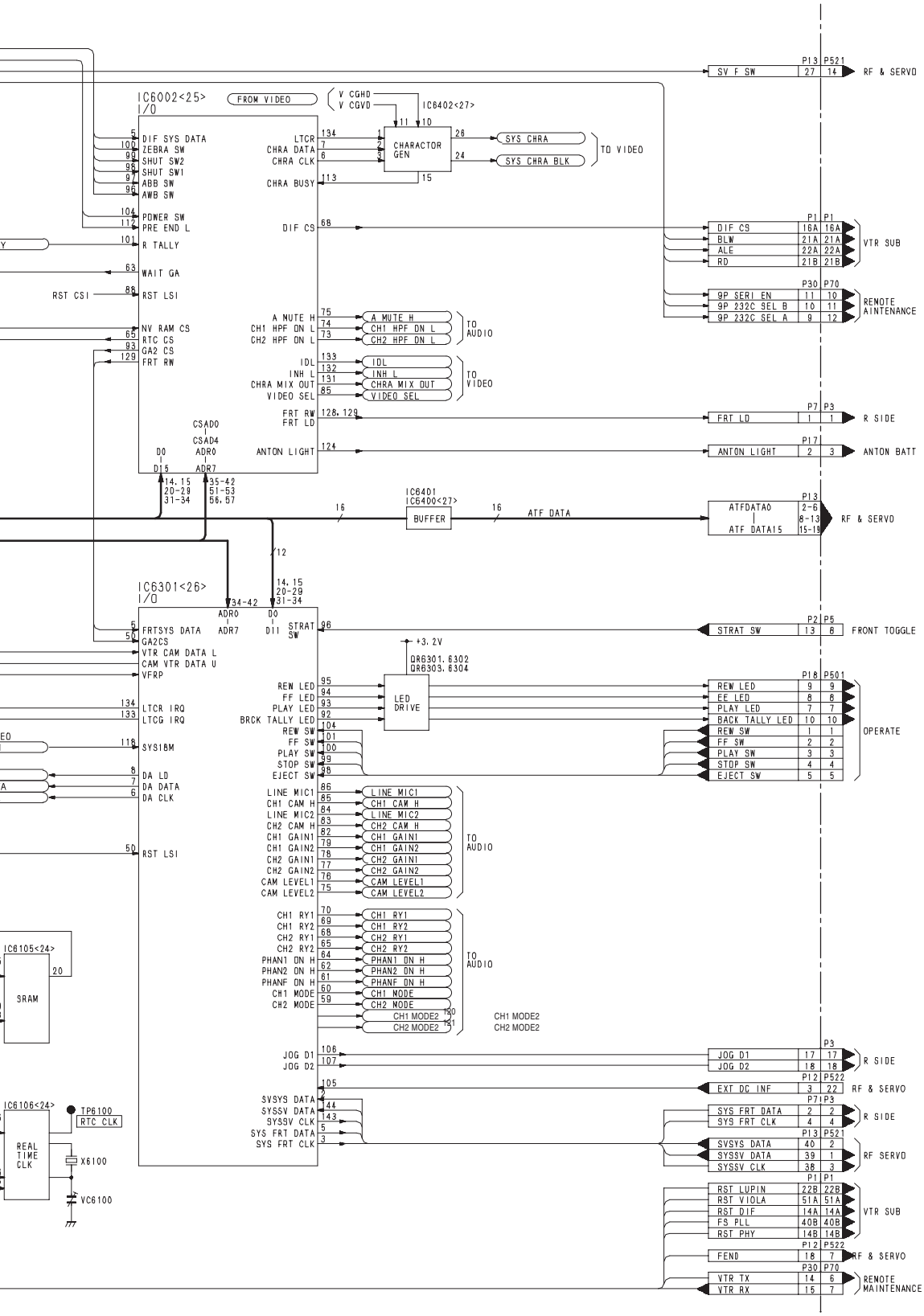
RF & SERVO BLOCK DIAGRAM



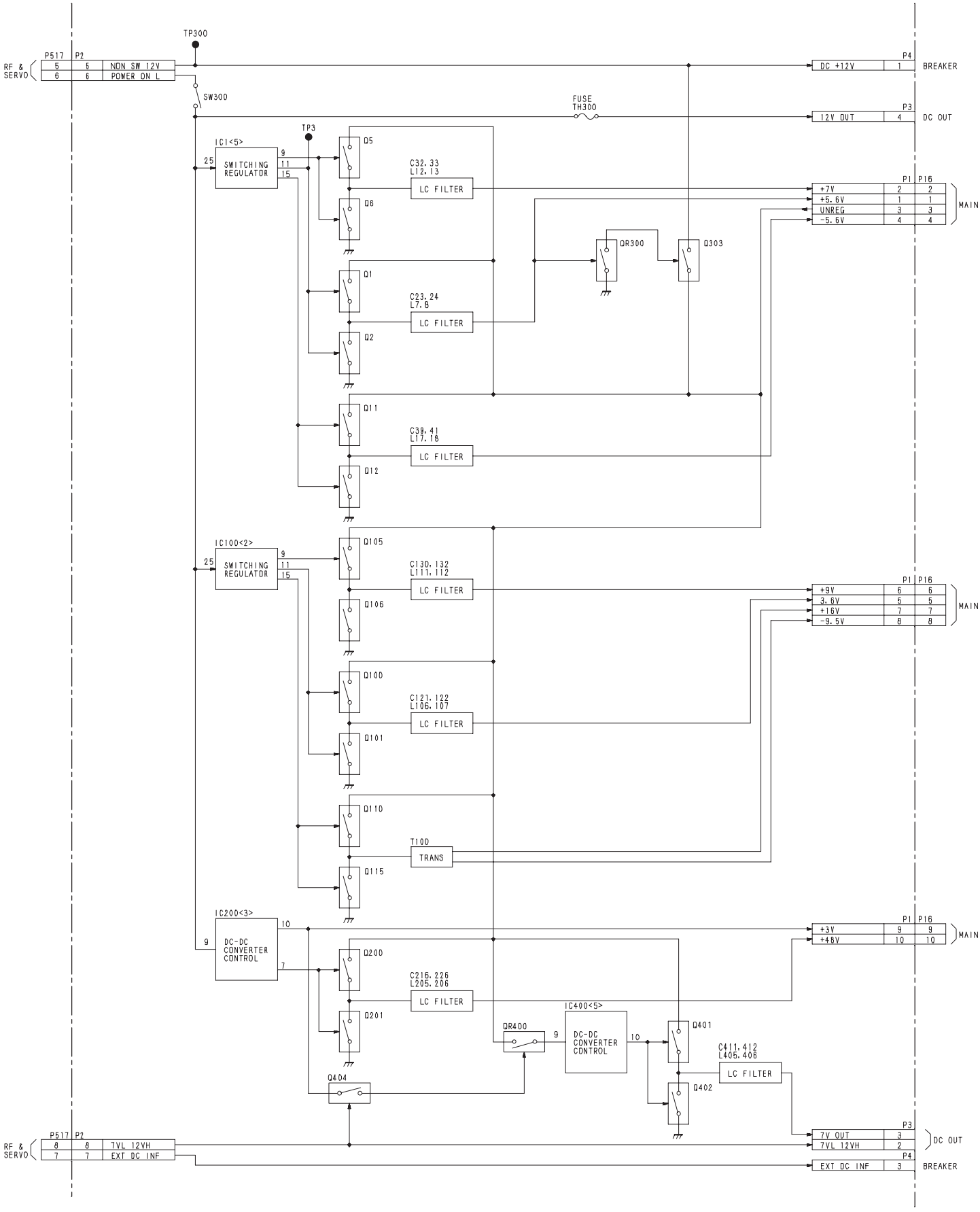

CYL ER
CYL ON
CAP ER
CAP RSF
HSW FE
PB HSW
SYS DATA O
SYS DATA I
SYS CLK
LOAD
UNLOAD
SB ON
SB OFF
TB ON
TB OFF
PINCH ON
PINCH OFF
SRL RSF
SRL ERR
TRL RSF
TRL ERR
CLEANING NG
PHOTO LED
CASSETTE DOWN LED
5V
IC800<8>
VREF GEN.
IC207<2>
CYLINDER DRIVE CONTROL
IC208<2>
CYLINDER DRIVE
IC204<2>
CAPSTAN DRIVE CONTROL
IC209<2>
CAPSTAN DRIVE
IC602<6>
LOADING MOTOR DRIVE
IC701<7>
QR701, 702, 707, 708
S REEL BRAKE SOL. DRIVE
IC702<7>
QR703, 704, 709, 710
T REEL BRAKE SOL. DRIVE
IC703<7>
QR705, 706, 711, 712
PINCH SOLENOID DRIVE
IC301<3>
S REEL DRIVE
IC302<3>
T REEL DRIVE
VR300
S ECR
VR301
T ECR
TP300
S TRQ
TP301
T TRQ
(RSF)
P513
CYL M1-M3
CYL VH3+,-
CYL VH2+,-
CYL VH1+,-
CYLINDER MOTOR
P514
CAP M1-M3
CAP VH3+,-
CAP VH2+,-
CAP VH1+,-
CAPSTAN MOTOR
P522
HID FE
PB HSW
VTR MAIN (P3-22B)-RF<7> (IC3101-2)
P521 P13
SYSS V DATA
SV SYS DATA
SYS SV CLK
VTR MAIN
P511
LOADING
UNLOADING
MECHANISM
P505
S BRAKE ON
S BRAKE OFF
MECHANISM
P508
T BRAKE ON
T BRAKE OFF
MECHANISM
P510
PINCH ON
PINCH OFF
MECHANISM
P514
SRL M1-M3
SRL H3+,-
SRL H2+,-
SRL H1+,-
S-REEL MOTOR
P515
TRL M1-M3
TRL H3+,-
TRL H2+,-
TRL H1+,-
T REEL MOTOR
P518
CLEANING ON
MECHANISM
P504
TAPE SENSOR ON
MECHANISM
P515
CD LED
CAP
P521 P13
T PHOTO
S PHOTO
VTR MAIN

MAIN(VTR SYSCON) BLOCK DIAGRAM

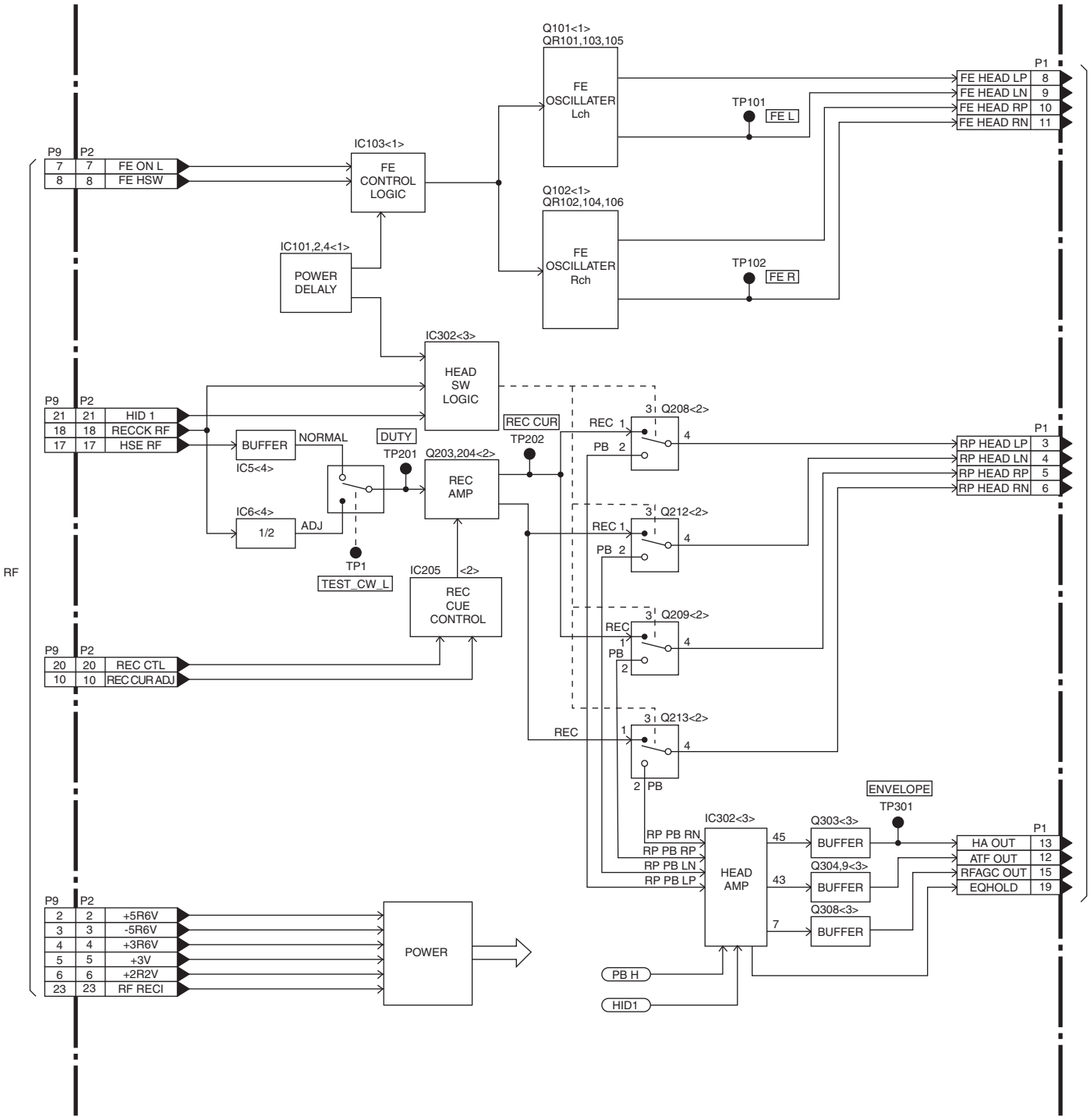



IC6002<25>
I/O
FROM VIDEO
V CGHD
V CGVD
IC6402<27>
CHARACTOR GEN
SYS CHRA
SYS CHRA BLK
TO VIDEO
DIF SYS DATA
ZEBRA SW
SHUT SW2
SHUT SW1
ABB SW
AWB SW
POWER SW
PRE END L
R TALLY
WAIT GA
RST LSI
NV RAM CS
RTC CS
GA2 CS
FRT RW
LTCR
CHRA DATA
CHRA CLK
CHRA BUSY
DIF CS
A MUTE H
CH1 HPF ON L
CH2 HPF ON L
IDL
INH L
CHRA MIX OUT
VIDEO SEL
FRT RW
FRT LD
ANTON LIGHT
TO AUDIO
TO VIDEO
CSAD0
CSAD4
D0
D15
ADR0
ADR7
14, 15
20-28
31-34
35-42
51-53
56, 57
IC6401
IC6400<27>
BUFFER
ATF DATA
ATFDATA0
ATF DATA15
RF & SERVO
IC6301<26>
I/O
FRTSYS DATA
GA2CS
VTR CAM DATA L
CAM VTR DATA U
VFRP
LTCR IRQ
LTCG IRQ
SYSIBM
DA LD
DA DATA
DA CLK
RST LSI
STRAT SW
+3.2V
QR6301, 6302
QR6303, 6304
LED DRIVE
REW LED
FF LED
PLAY LED
BRCK TALLY LED
REW SW
FF SW
PLAY SW
STOP SW
EJECT SW
LINE MIC1
CH1 CAM H
LINE MIC2
CH2 CAM H
CH1 GAIN1
CH1 GAIN2
CH2 GAIN1
CH2 GAIN2
CAM LEVEL1
CAM LEVEL2
CH1 RY1
CH1 RY2
CH2 RY1
CH2 RY2
PHAN1 ON H
PHAN2 ON H
PHANF ON H
CH1 MODE
CH2 MODE
CH1 MODE2
CH2 MODE2
JOG D1
JOG D2
SVSYS DATA
SYSSV DATA
SYSSV CLK
SYS FRT DATA
SYS FRT CLK
IC6105<24>
SRAM
IC6106<24>
REAL TIME CLK
TP6100
RTC CLK
X6100
VC6100
P13 P521
SV F SW
RF & SERVO
P1 P1
DIF CS
BLW
ALE
RD
VTR SUB
P30 P70
9P SERI EN
9P 232C SEL B
9P 232C SEL A
REMOTE AINTENANCE
P7 P3
FRT LD
R SIDE
P17
ANTON LIGHT
ANTON BATT
P13
ATFDATA0
ATF DATA15
RF & SERVO
P2 P5
STRAT SW
FRONT TOGGLE
P18 P501
REW LED
EE LED
PLAY LED
BACK TALLY LED
REW SW
FF SW
PLAY SW
STOP SW
EJECT SW
OPERATE
P3
JOG D1
JOG D2
R SIDE
P12 P522
EXT DC INF
RF & SERVO
P71 P3
SYS FRT DATA
SYS FRT CLK
R SIDE
P13 P521
SVSYS DATA
SYSSV DATA
SYSSV CLK
RF SERVO
P1 P1
RST LUPIN
RST VIOLA
RST DIF
FS PLL
RST PHY
VTR SUB
P12 P522
FEND
RF & SERVO
P30 P70
VTR TX
VTR RX
REMOTE MAINTENANCE

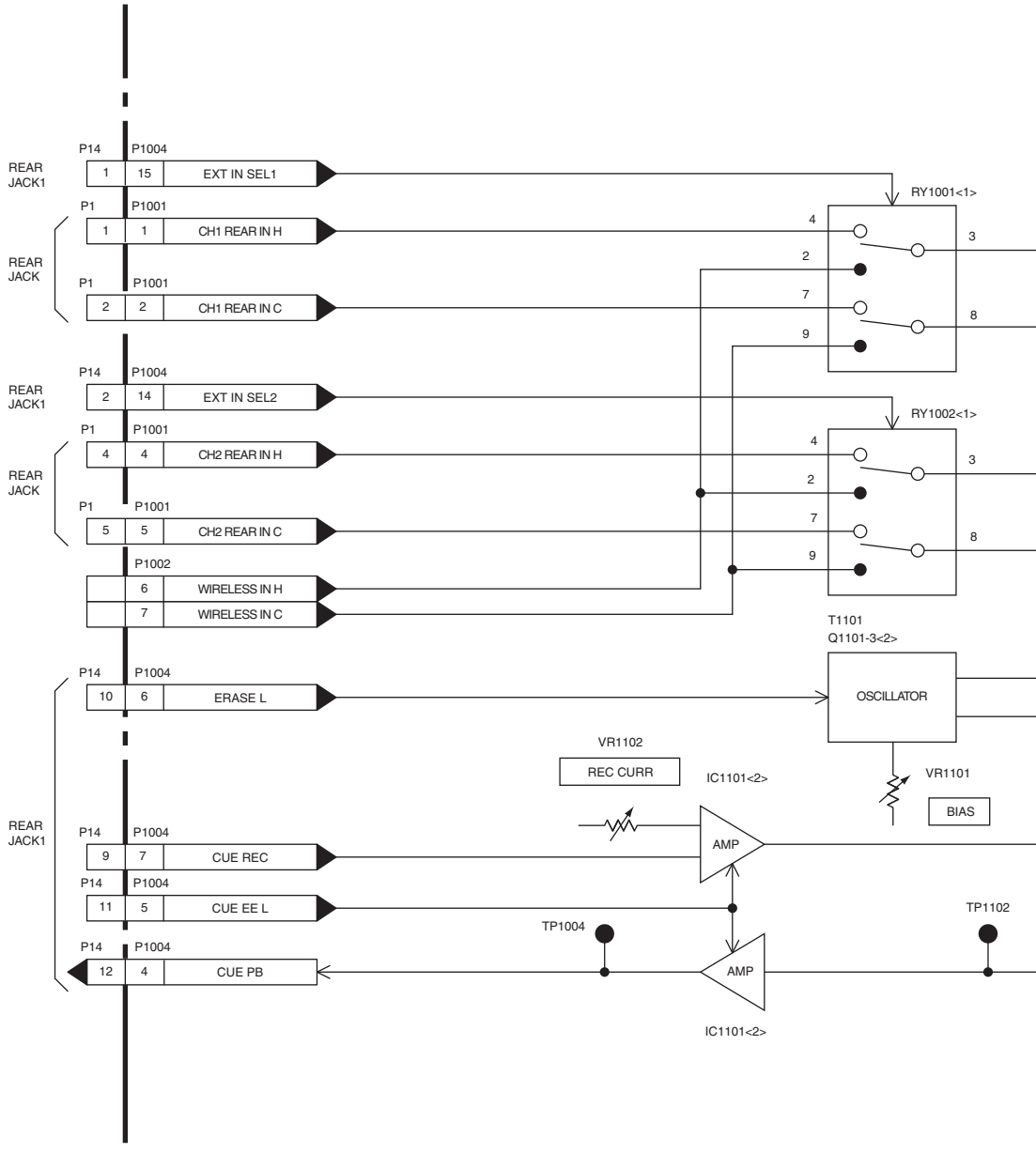
POWER BLOCK DIAGRAM

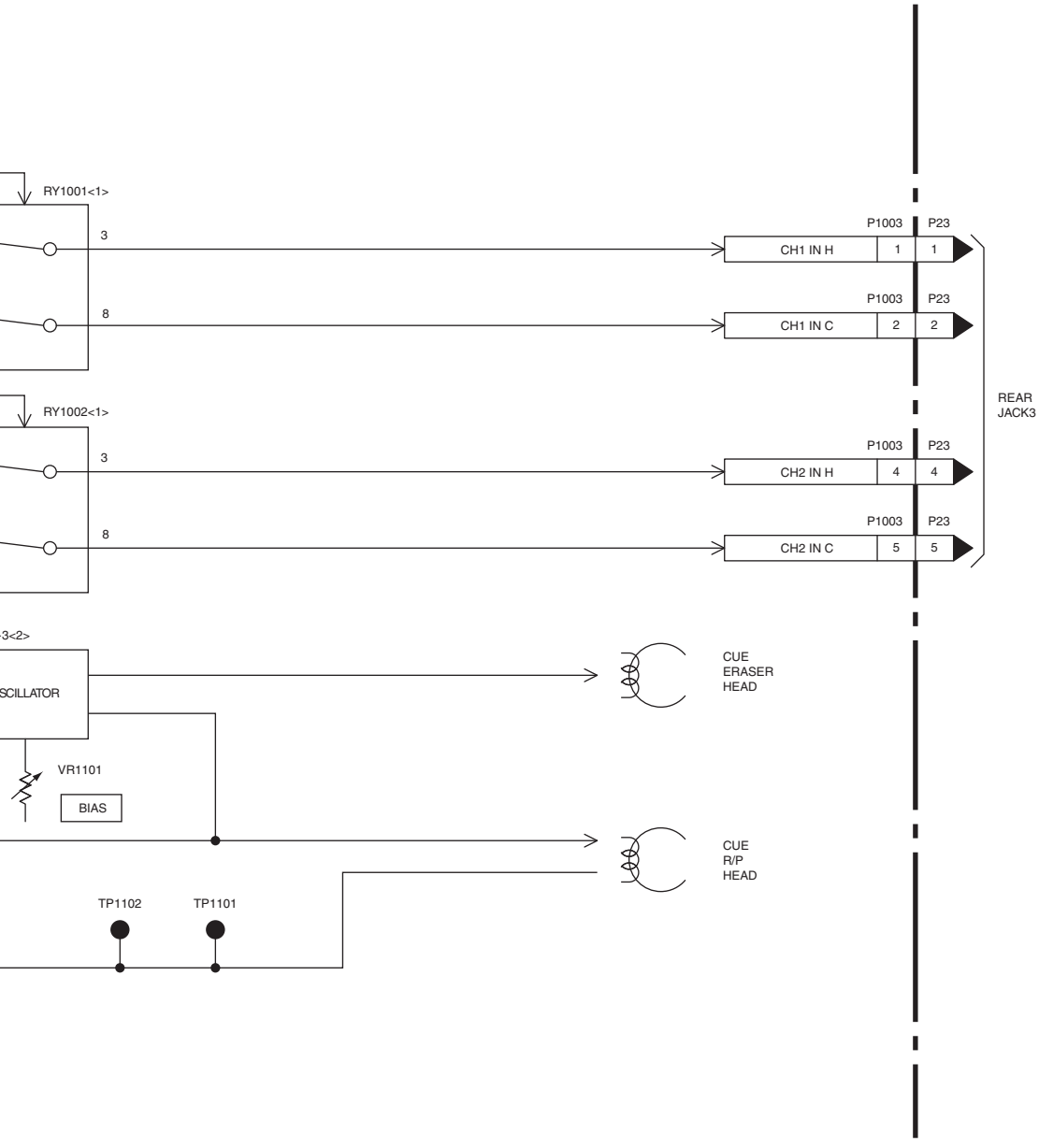


H/R AMP BLOCK DIAGRAM

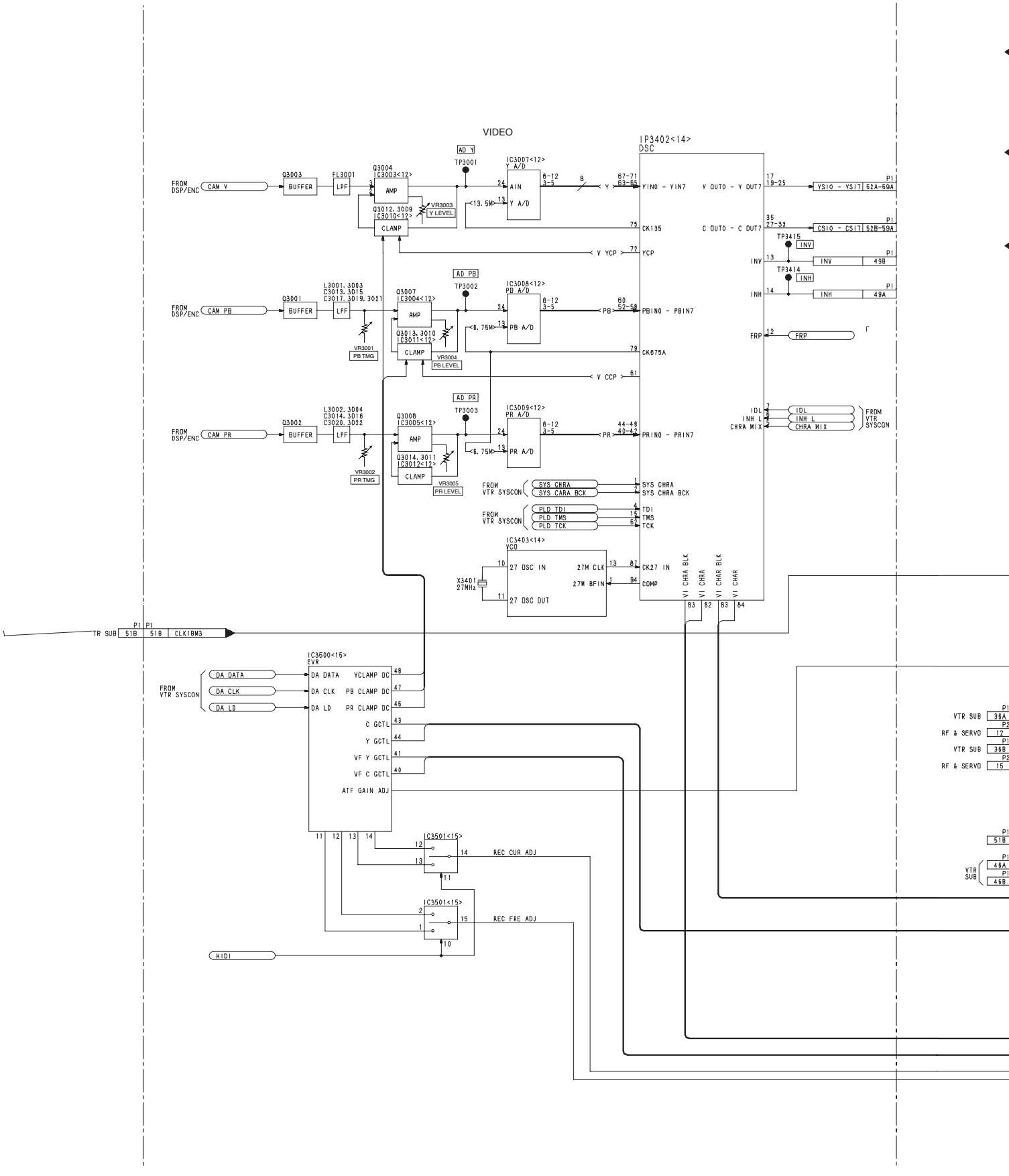


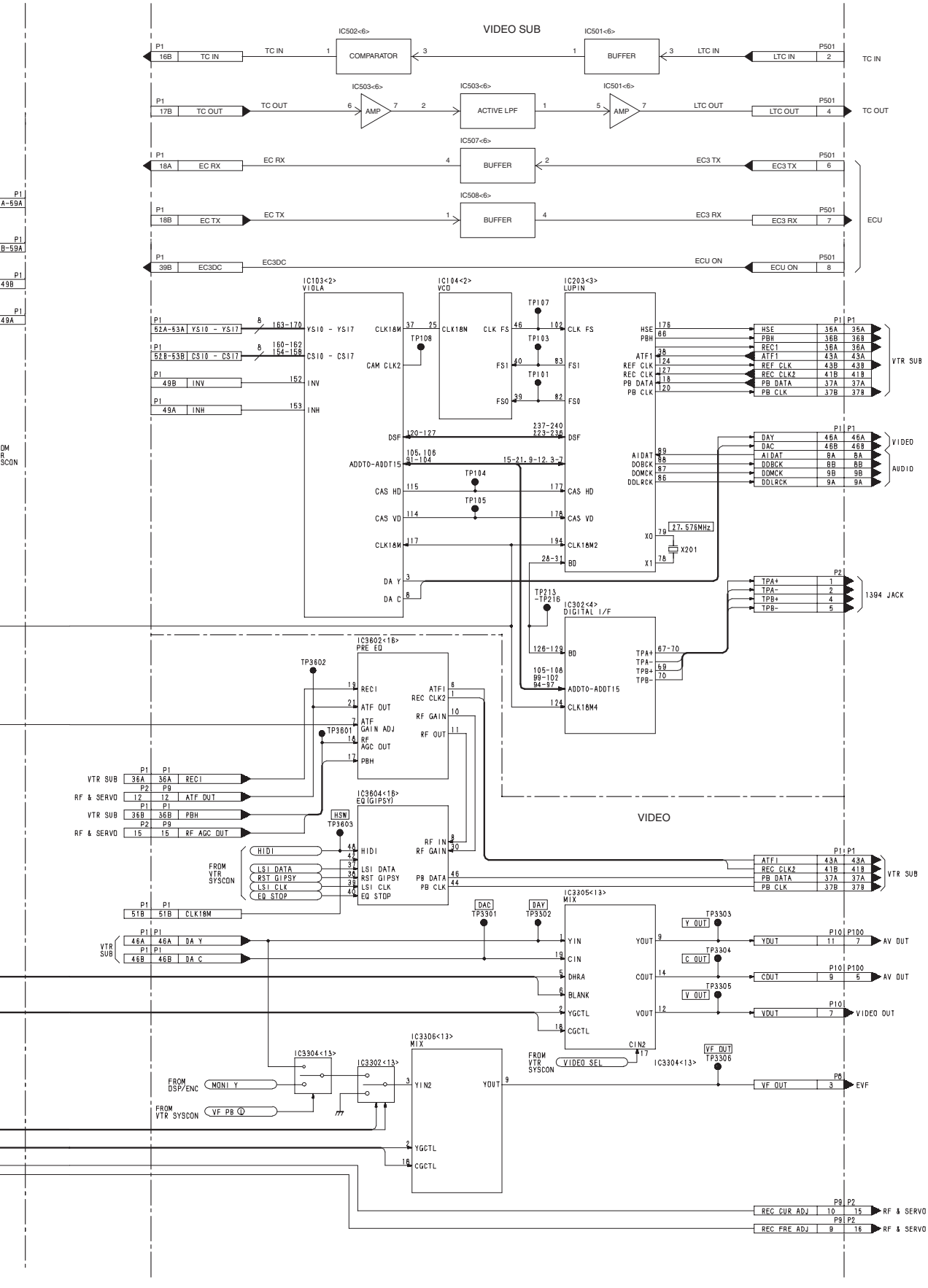
CUE BLOCK DIAGRAM




RY1001<1>
3
8
RY1002<1>
3
8
-3<2>
SCILLATOR
VR1101
BIAS
TP1102
TP1101
P1003
P23
CH1 IN H
1
1
P1003
P23
CH1 IN C
2
2
P1003
P23
CH2 IN H
4
4
P1003
P23
CH2 IN C
5
5
REAR
JACK3
CUE
ERASER
HEAD
CUE
R/P
HEAD

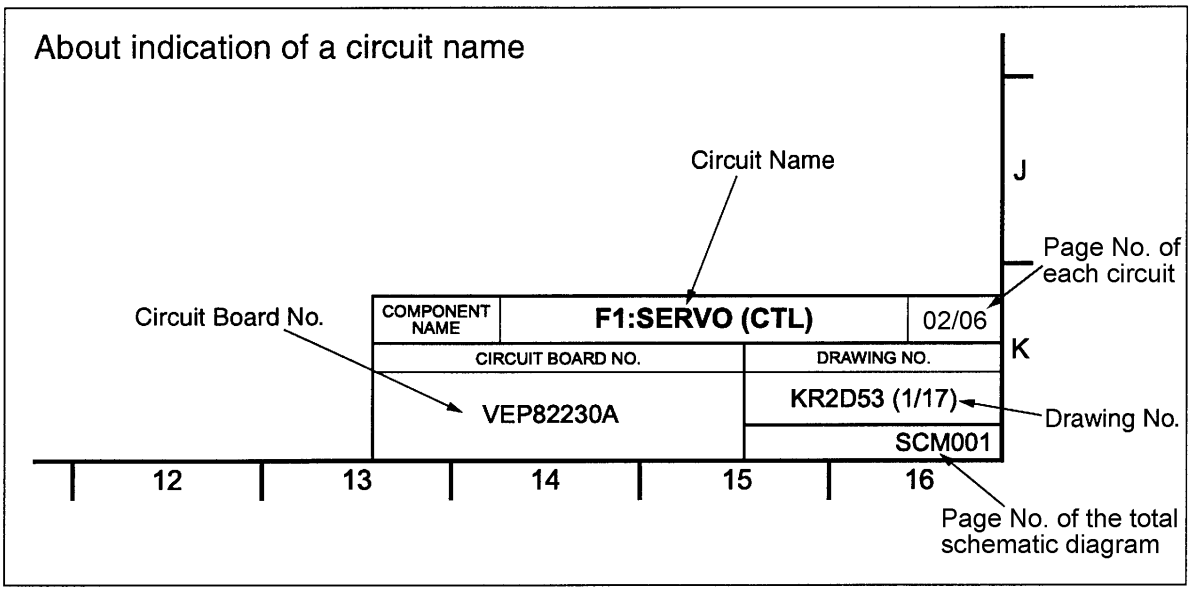
VTR SUB BLOCK DIAGRAM




VIDEO SUB
TC IN
COMPARATOR
BUFFER
LTC IN
TC OUT
AMP
ACTIVE LPF
AMP
LTC OUT
EC RX
BUFFER
EC3 TX
EC TX
BUFFER
EC3 RX
ECU
EC3DC
ECU ON
VIOLA
VCD
LUPIN
VTR SUB
VIDEO
AUDIO
27.576MHz
X201
DIGITAL I/F
1394 JACK
PRE EQ
EQ(GIPSY)
VIDEO
MIX
AV OUT
VIDEO OUT
EVF
FROM DSP/ENC
MONI Y
FROM VTR SYSCON
VF PB
VIDEO SEL
REC CUR ADJ
REC FRE ADJ
RF & SERVO

SECTION 6

SCHEMATIC DIAGRAMS



NOTE:
BE SURE TO MAKE YOUR ORDERS OF REPLACEMENT PARTS ACCORDING TO PARTS LIST, SECTION8

CAUTION

THE [ ] MARK INDICATES THE PRIMARY CIRCUIT TO DISTINGUISH THE PRIMARY FROM THE SECONDARY CIRCUIT.
PAY ATTENTION NOT TO RECEIVE AN ELECTRIC SHOCK DURING REPAIR AND SERVICE OF THE PRODUCTS.

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.

CONTENTS

OVERALL
OVERALL SCM001

MAIN
PREPROCESS (1/5) SCM002
PREPROCESS (2/5) SCM003
PREPROCESS (3/5) SCM004
PREPROCESS (4/5) SCM005
PREPROCESS (5/5) SCM006
DSP_ENC (1/6) SCM007
DSP_ENC (2/6) SCM008
DSP_ENC (3/6) SCM009
DSP_ENC (4/6) SCM010
DSP_ENC (5/6) SCM011
DSP_ENC (6/6) SCM012
VIDEO_ADC SCM013
VIDEO_OUT SCM014
VIDEO_PLD SCM015
VIDEO_EVR SCM016
VIDEO_GIPSY SCM017
VIDEO_POWER & CLK BUFF SCM018
AUDIO SCM019
AUDIO AGC SCM020
AUDIO D/A & LPF SCM021
AUDIO CUE SCM022
AUDIO OUT SCM023
VTR_SYSCON (1/6) SCM024
VTR_SYSCON (2/6) SCM025
VTR_SYSCON (3/6) SCM026
VTR_SYSCON (4/6) SCM027
VTR_SYSCON (5/6) SCM028
VTR_SYSCON (6/6) SCM029
CONNECTOR1 ..... SCM030
CONNECTOR2 ..... SCM031

REMOTE MAINTENANCE
REMOTE MAINTENANCE SCM032

VTR SUB
CONNECTOR SCM033
VIOLA SCM034
LUPIN SCM035
PINE++ SCM036
RF & AUDIO PLL SCM037
TC & ECU SCM038
26PIN & SYNC_GEN SCM039

RF&SERVO
SERVO uCOM SCM040
CYL/CAP DRIVE SCM041
REEL DRIVE SCM042
REEL FG/TENSION AMP SCM043
CONNECTER SCM044
MECA SW/LOADING DRIVE SCM045
SOL DRIVE SCM046
SW REG SCM047
SOL POWER SCM048
CTL AMP SCM049
H/R AMP SCM050

POWER
POWER (1/5) SCM051
POWER (2/5) SCM052
POWER (3/5) SCM053
POWER (4/5) SCM054
POWER (5/5) SCM055

R SIDE
R_SIDE SCM056

SCENE FILE
SCENE_FILE SCM057

AUTO IRIS
AUTO_IRIS SCM058

POWER SW
POWER_SW SCM058

LED
LED SCM059

TOGGLE SW
TOGGLE SW SCM059

MENU JOG
MENU_JOG SCM060

FRONT TOGGLE SW
FRONT TOGGLE SW SCM060

REAR JACK
REAR JACK SCM061

AV OUT
AV_OUT SCM062

FRONT MIC
FRONT_MIC SCM062

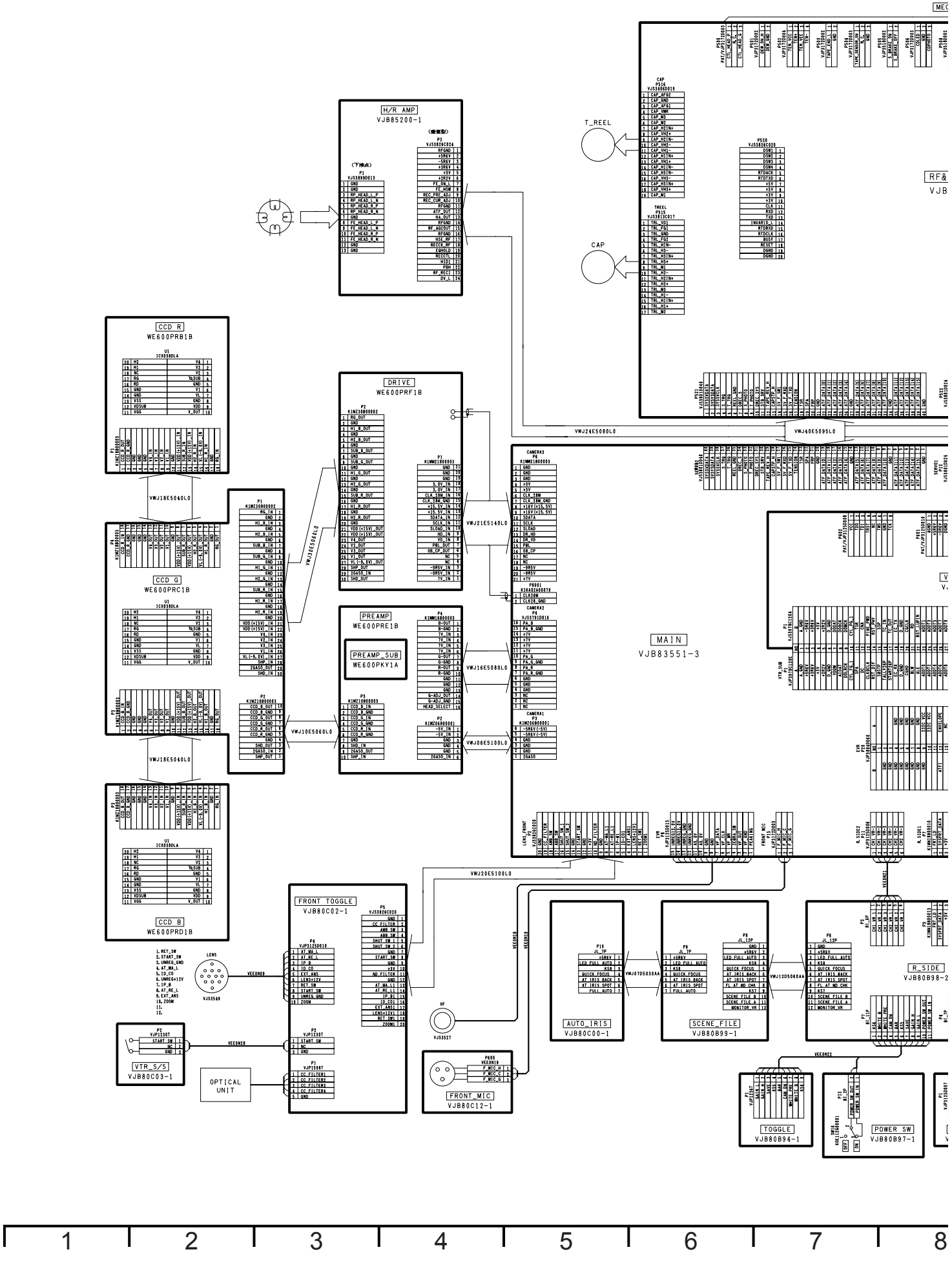
HEAD PHONE
HEAD PHONE SCM063

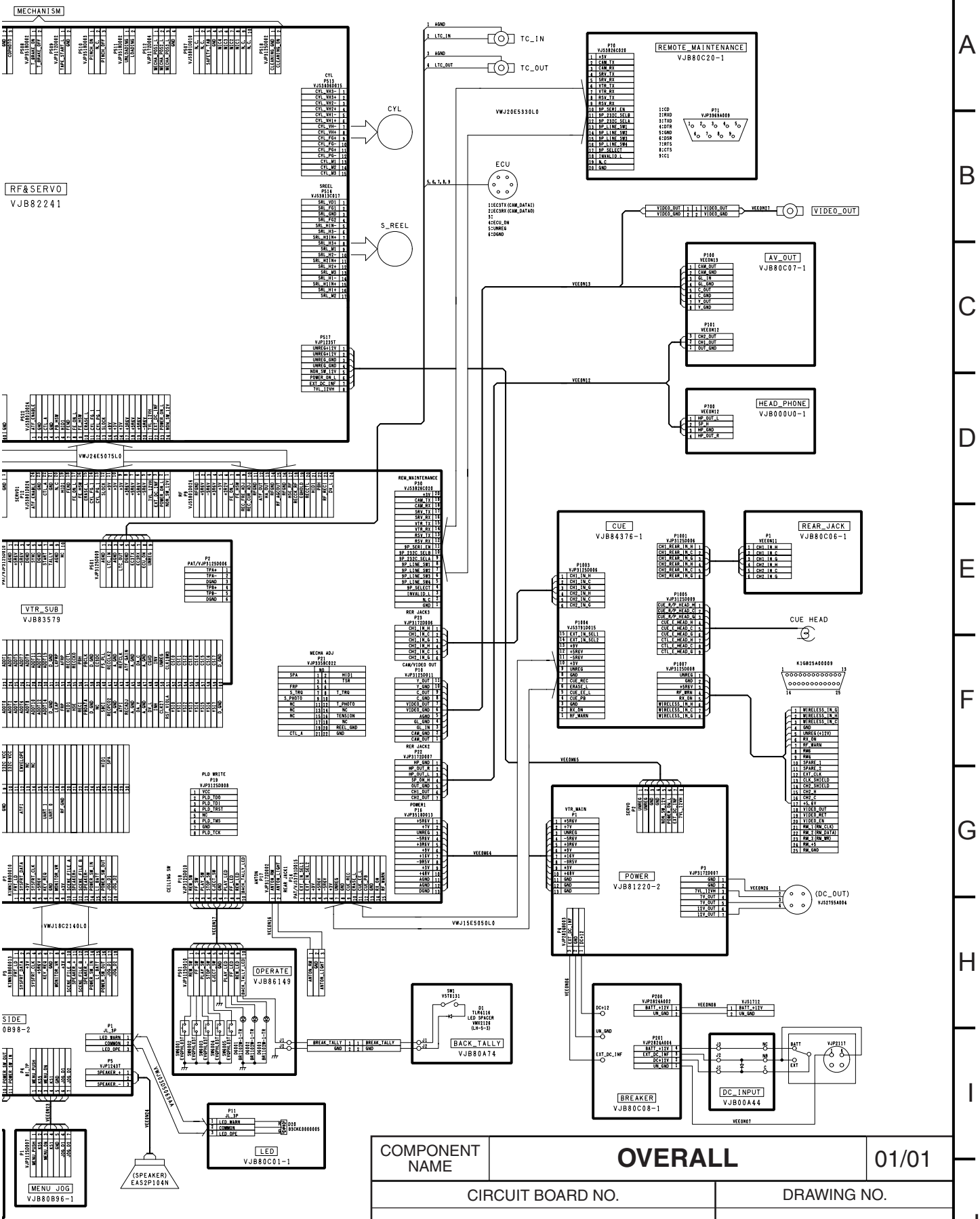
H/R AMP
FE SCM064
REC AMP SCM065
HEAD AMP SCM066
I/F & POWER SCM067

CUE
CUE (1/2) SCM068
CUE (2/2) SCM069

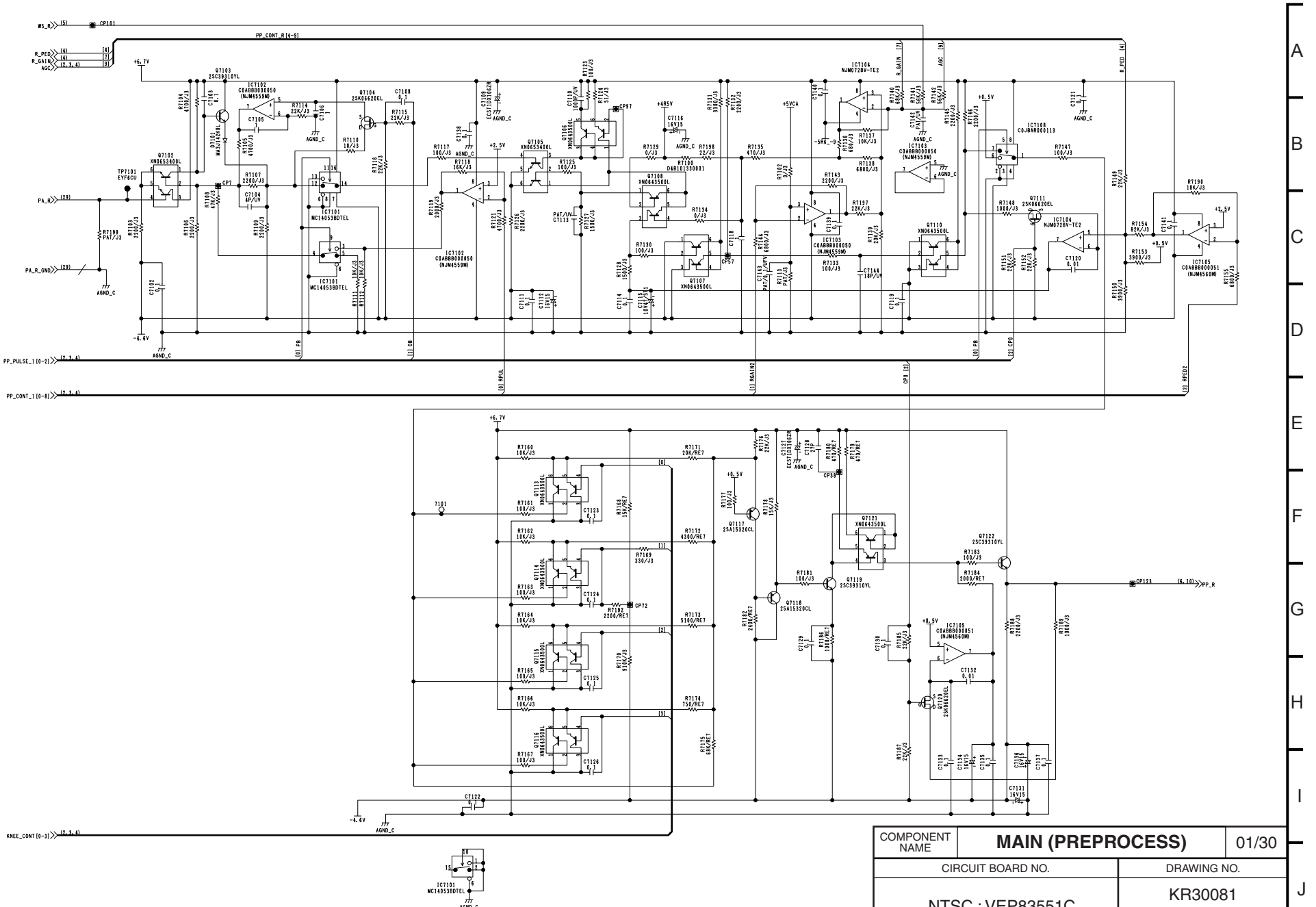
DRIVE
DRIVE SCM070

PREAMP
PREAMP SCM071

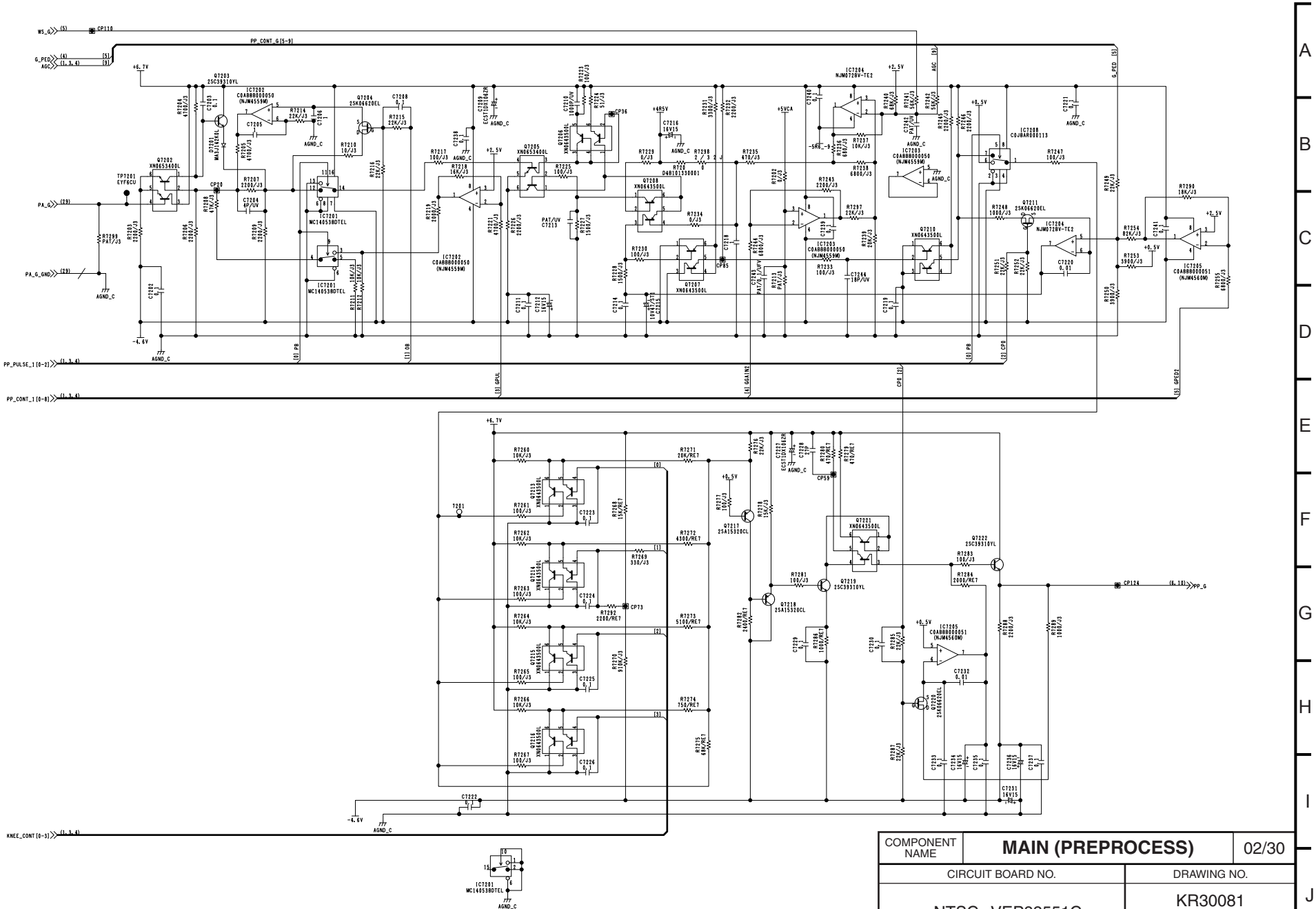

H/R AMP
VJB85200-1
T_REEL
CAP
MAIN
VJB83551-3
CCD R
WE600PRB1B
CCD G
WE600PRC1B
CCD B
WE600PRD1B
DRIVE
WE600PRF1B
PREAMP
WE600PRE1A
PREAMP_SUB
WE600PKY1A
FRONT TOGGLE
VJB80C02-1
VTR_S/S
VJB80C03-1
OPTICAL UNIT
AUTO_IRIS
VJB80C00-1
SCENE_FILE
VJB80B99-1
R_SIDE
VJB80B98-2
FRONT_MIC
VJB80C12-1
TOGGLE
VJB80B94-1
POWER SW
VJB80B97-1
VWJ24E5080L0
VWJ40E5095L0
VWJ21E5140L0
VWJ36E5960L0
VWJ16E5080L0
VWJ10E5060L0
VWJ06E5100L0
VWJ18E5040L0
VWJ20E5100L0
VWJ12D5060AA
VWJ07D5030AA
VEE0N09
VEE0N08
VEE0N07
VEE0N03
VEE0N28
VEE0N10
LENS
VJ53549
VF
VJ53527



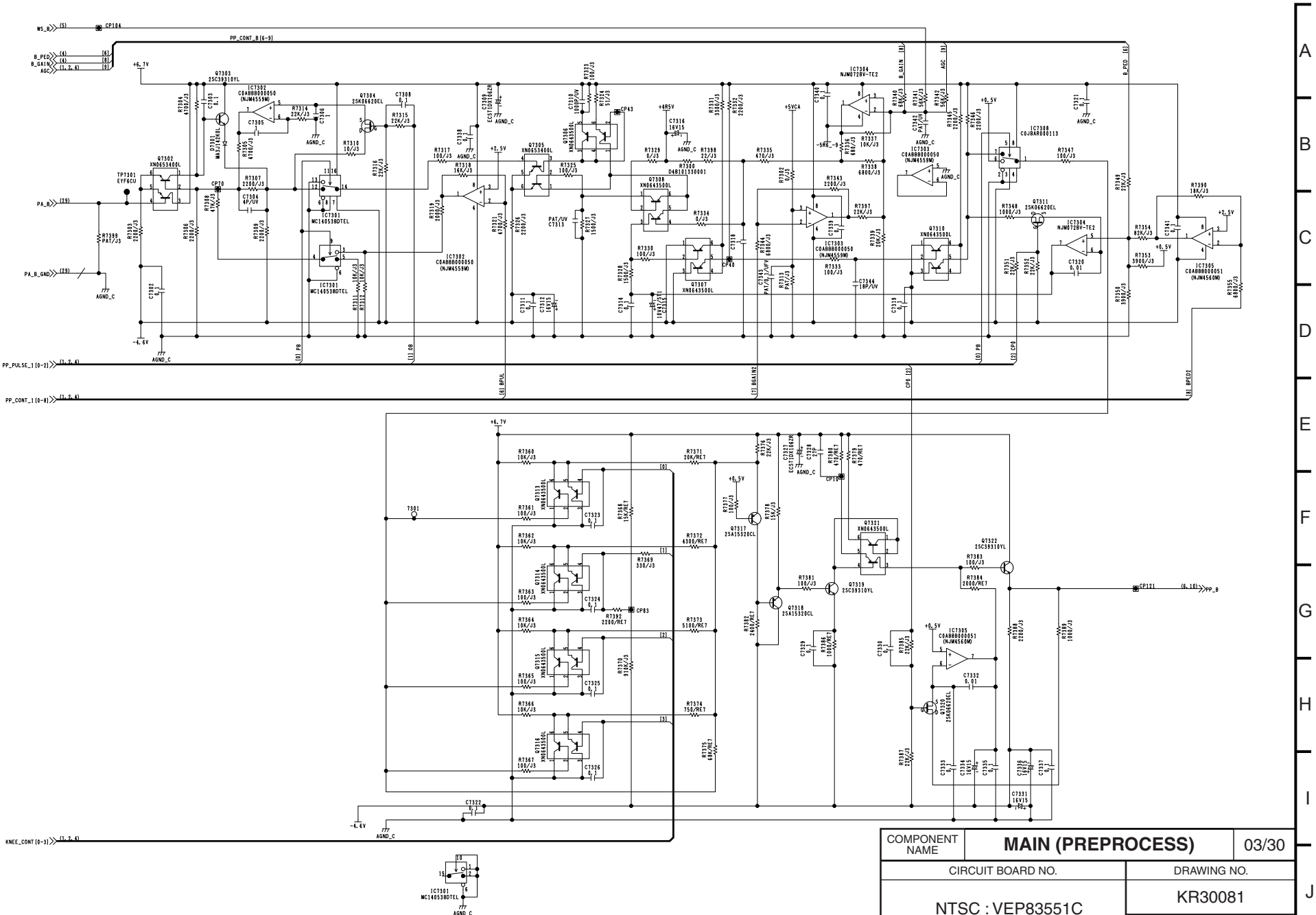
COMPONENT NAME	OVERALL	01/01
CIRCUIT BOARD NO.	DRAWING NO.	
	KR9J97	
	SCM001	



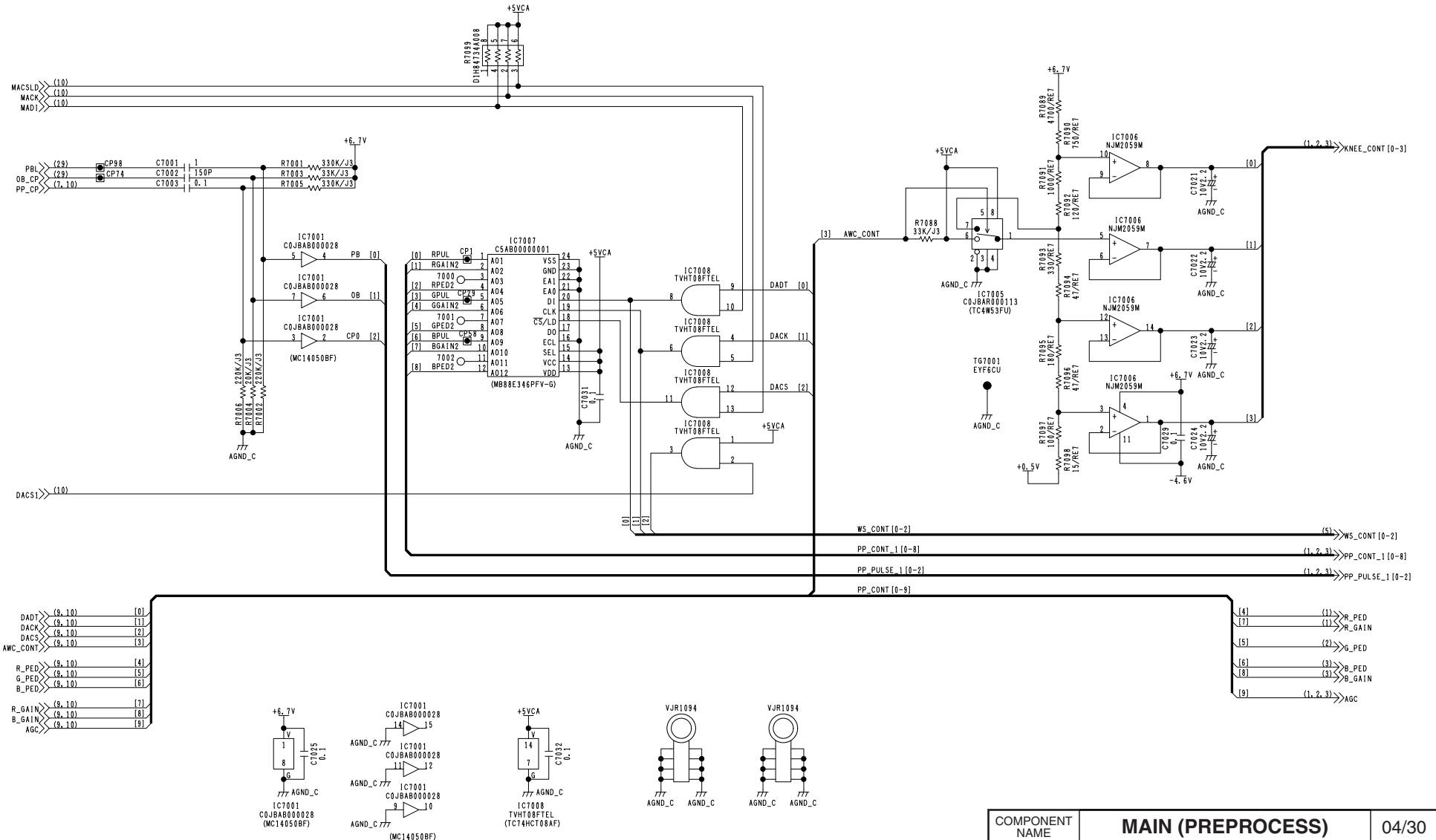
COMPONENT NAME	**MAIN (PREPROCESS)**	01/30
CIRCUIT BOARD NO.		DRAWING NO.
NTSC : VEP83551C		KR30081
		SCM002



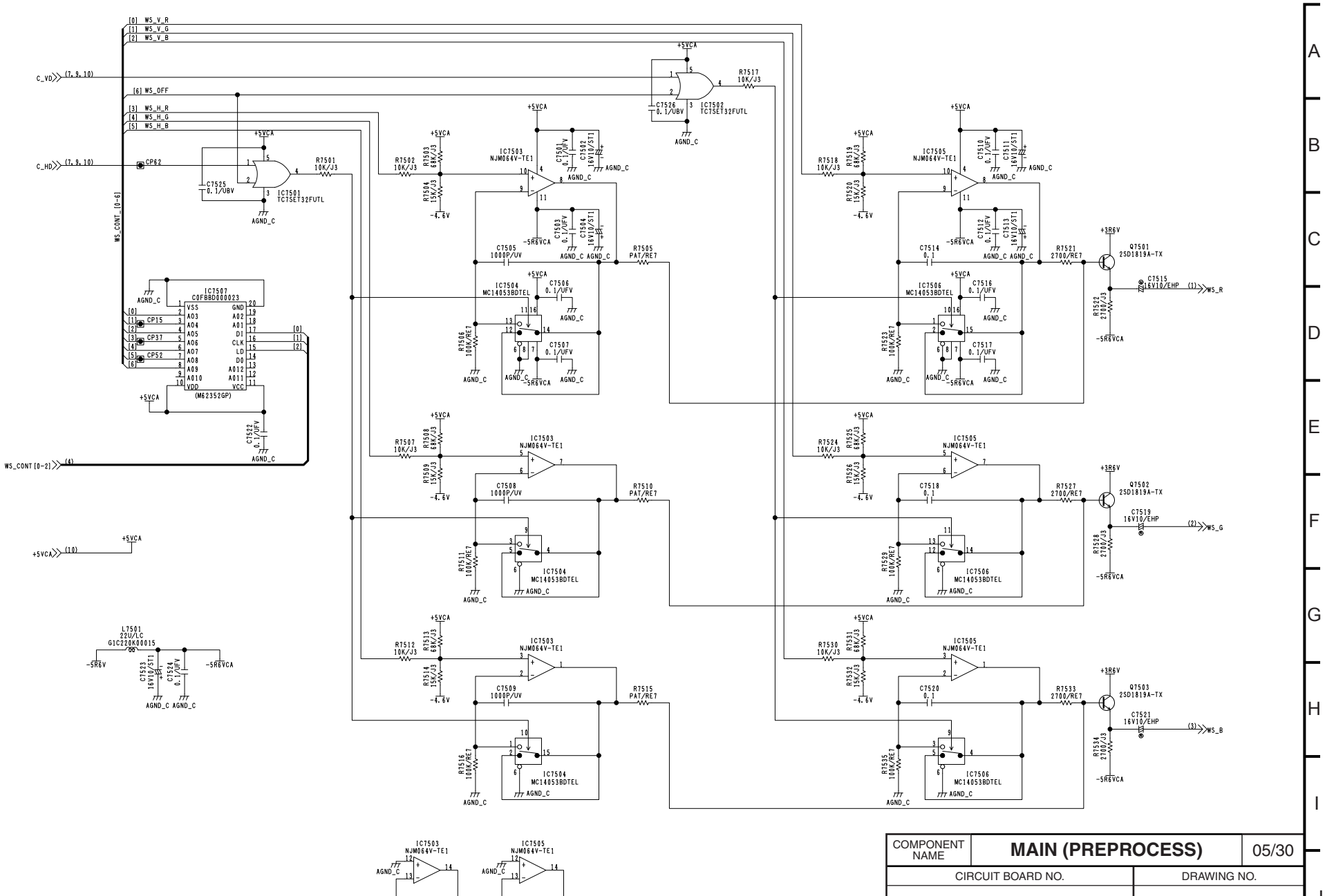
COMPONENT NAME	MAIN (PREPROCESS)	02/30
CIRCUIT BOARD NO.		DRAWING NO.
NTSC : VEP83551C		KR30081
		SCM003



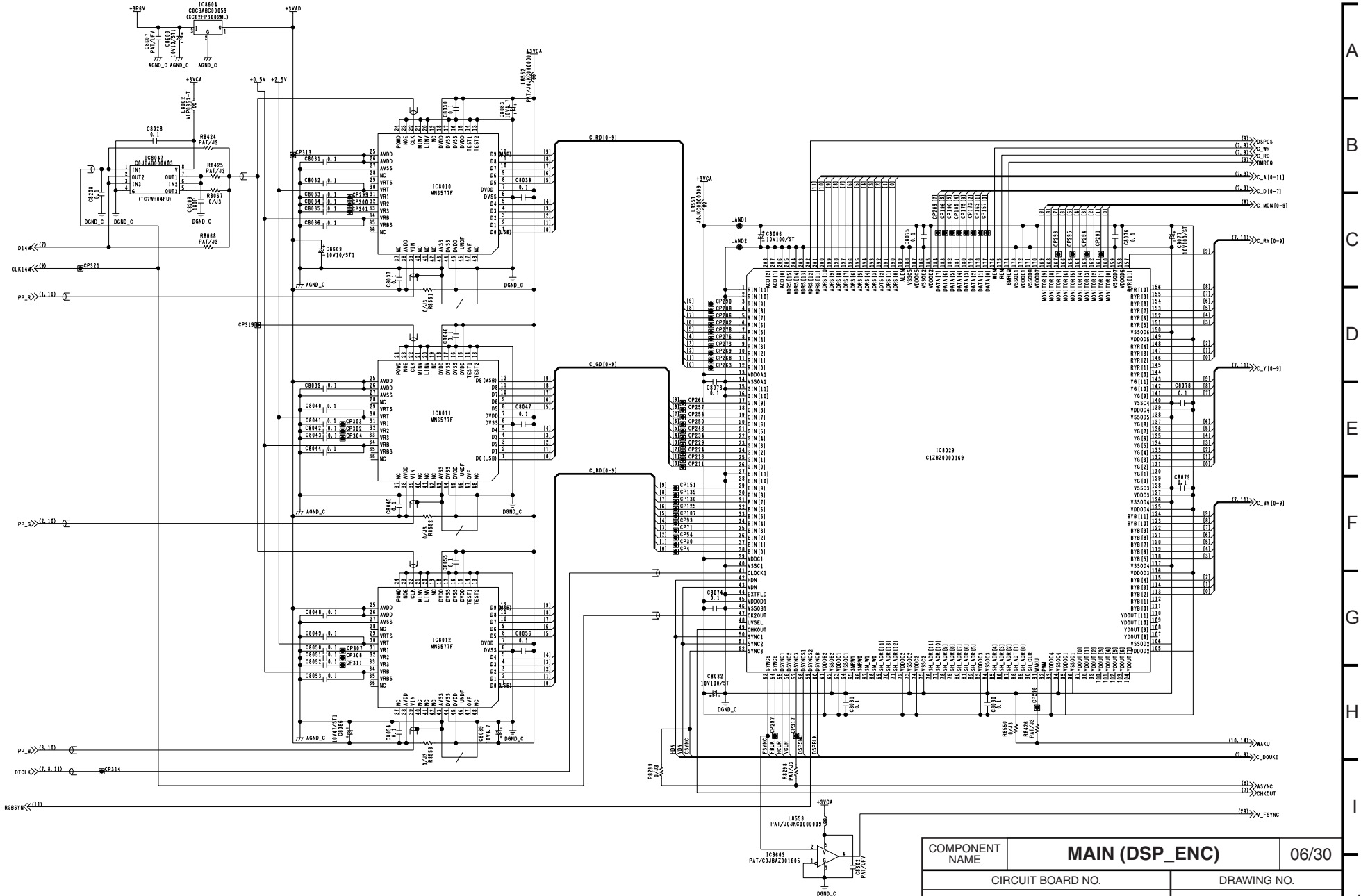
COMPONENT NAME	MAIN (PREPROCESS)	03/30
CIRCUIT BOARD NO.		DRAWING NO.
NTSC : VEP83551C		KR30081
		SCM004



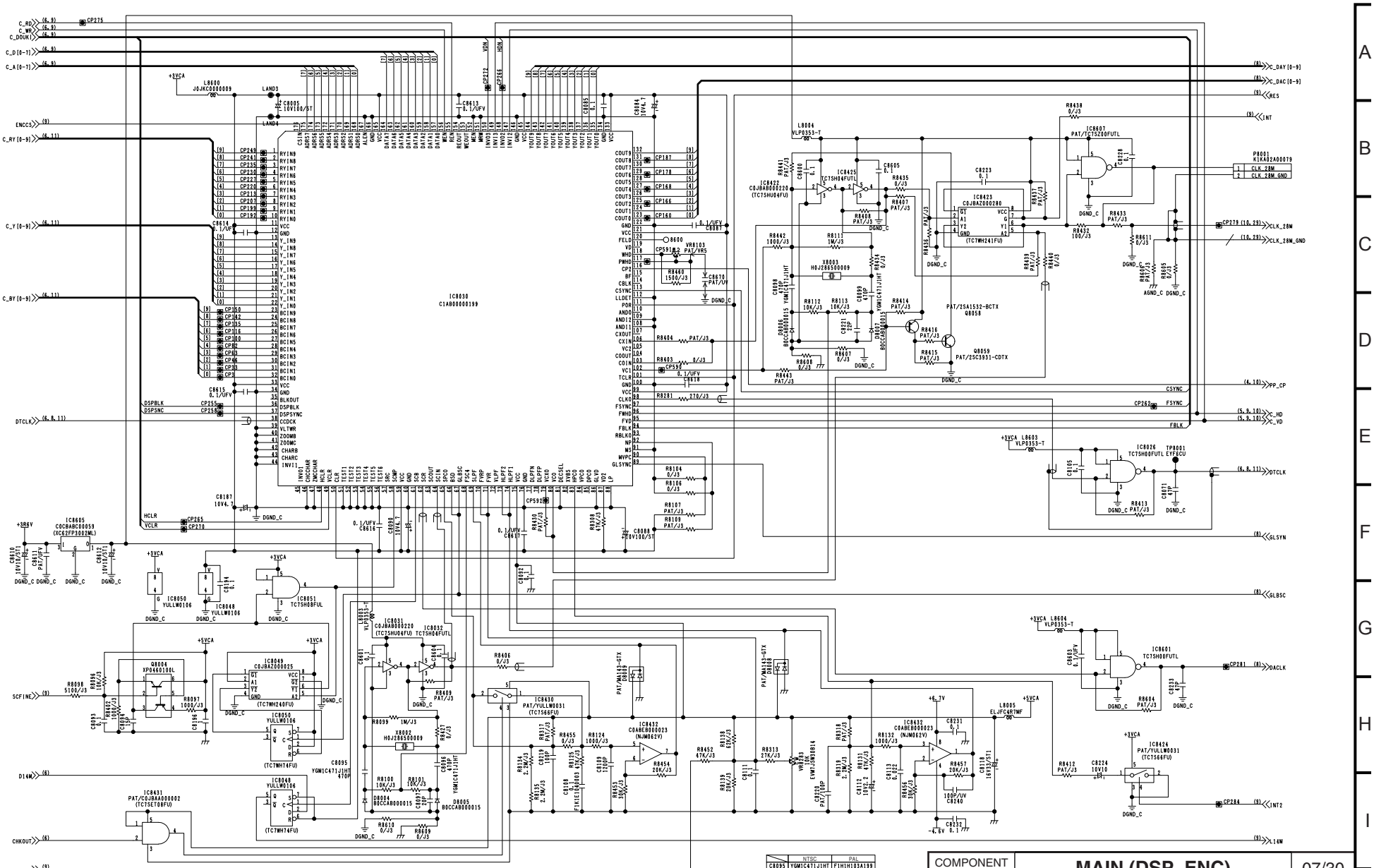
COMPONENT NAME	MAIN (PREPROCESS)	04/30
CIRCUIT BOARD NO.		DRAWING NO.
NTSC : VEP83551C		KR30081
		SCM005



COMPONENT NAME	MAIN (PREPROCESS)	05/30
CIRCUIT BOARD NO.		DRAWING NO.
NTSC : VEP83551C		KR30081
		SCM006



COMPONENT NAME	MAIN (DSP_ENC)	06/30
CIRCUIT BOARD NO.		DRAWING NO.
NTSC : VEP83551C		KR30081
		SCM007



	NTSC	PAL
IC8424	PAT	YULLW0031
IC8430	PAT	YULLW0031
IC8431	PAT	C0JBAA000002

	NTSC	PAL
X8002	H0J286500009	H0J171500009
X8003	H0J286500009	H0J283500009

	NTSC	PAL
VR8103	PAT/VR5	EVM7JSW30B13

	NTSC	PAL
R8106	0/J3	PAT/J3
R8109	PAT/J3	0/J3
R8124	1000/J3	470/J3
R8125	47K/J3	18K/J3
R8133	27K/J3	18K/J3
R8319	22M(1/10W)	PAT/J3

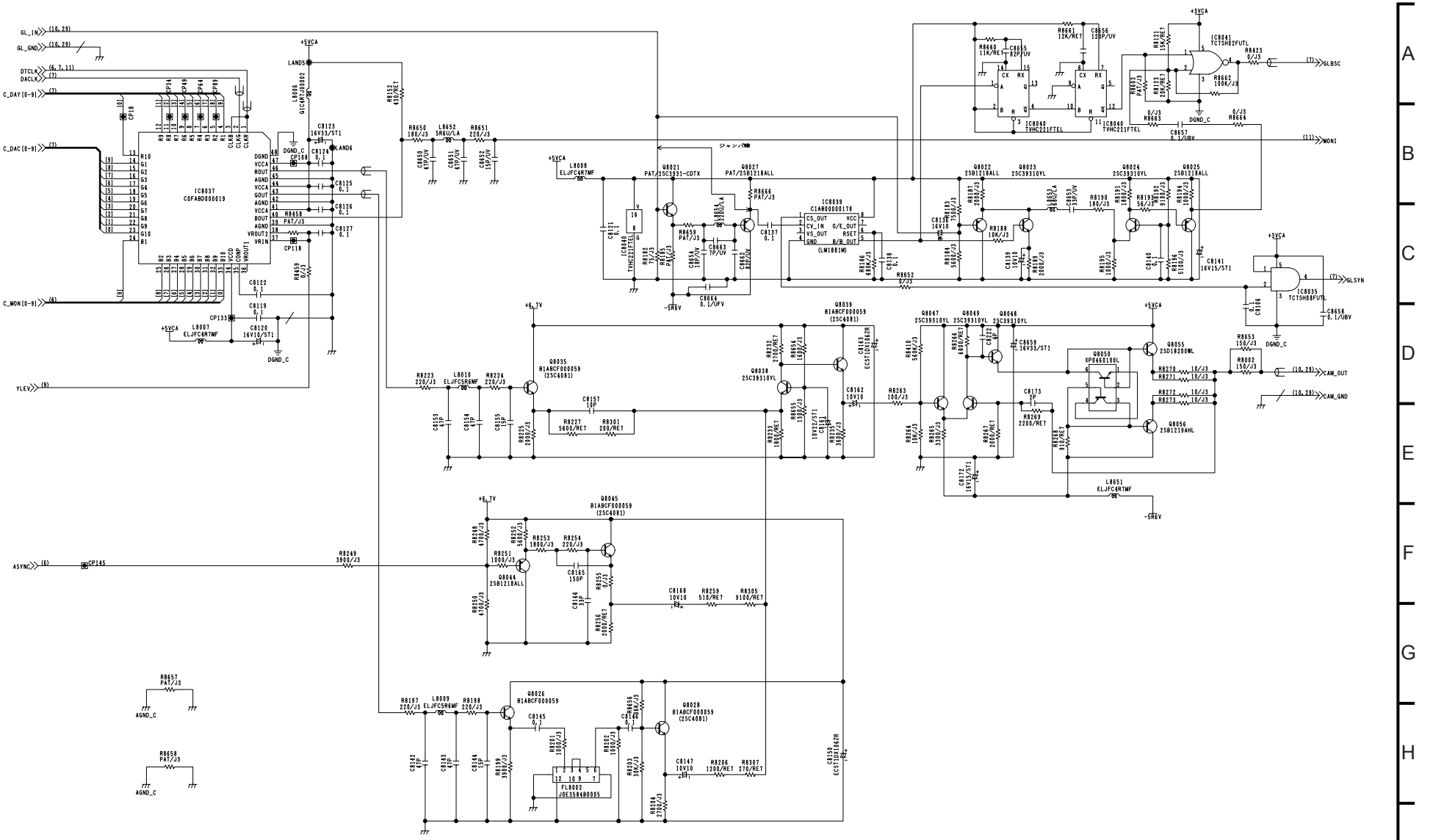
	NTSC	PAL
R8404	PAT/J3	0/J3
R8406	0/J3	PAT/J3
R8407	PAT/J3	0/J3
R8430	PAT/J3	0/J3
R8435	0/J3	PAT/J3
R8436	0/J3	PAT/J3

	NTSC	PAL
R8437	PAT/J3	0/J3
R8438	0/J3	PAT/J3
R8439	PAT/J3	0/J3
R8440	0/J3	PAT/J3
R8442	1000/J3	PAT/J3
R8455	0/J3	PAT/J3

	NTSC	PAL
R8457	20K/J3	10K/J3
R8460	150K/J3	PAT/J3
R8138	62K/J3	PAT/J3
R8139	20K/J3	15K/J3
R8412	PAT/J3	330/J3

	NTSC	PAL
C8095	YGM1C471J1HT	F1H1H103A199
C8096	YGM1C471J1HT	F1H1H103A199
C8097	F1H1H200A004	F1H1H330A231
C8108	F1K1E1040003	K218A1R6R
C8113	F1H1E223A002	F1H1H103A190
C8220	F1H1H101A231	PAT
C8221	F1H1H220A231	F1H1H390A231
C8224	PAT	F5F1A104G01
C8670	PAT/UV	100P/UV

COMPONENT NAME	MAIN (DSP_ENC)	07/30
CIRCUIT BOARD NO.		DRAWING NO.
NTSC : VEP83551C		KR30081
		SCM008

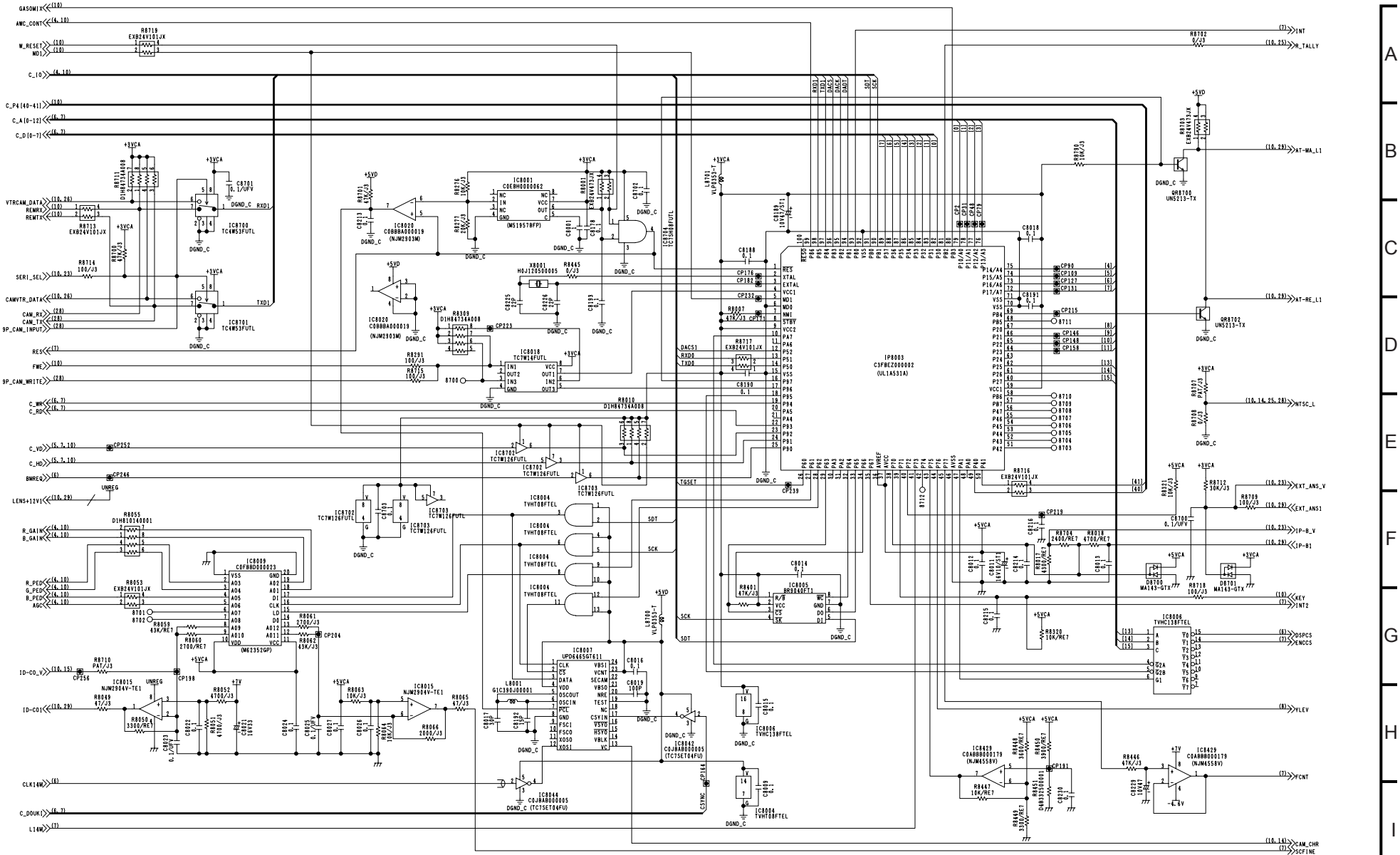


	NTSC	PAL
C8166	F1H1H330A231	F1H1H560A231

	NTSC	PAL
R8254	220/J3	180/J3
R8259	390/RE7	0/J3
R8301	200/RE7	330/J3

	NTSC	PAL
FL8001	J0HABY000003	J0HABY000004
FL8002	J0E35B4B0005	J0E4434B0005

COMPONENT NAME	MAIN (DSP_ENC)	08/30
CIRCUIT BOARD NO.		DRAWING NO.
NTSC : VEP83551C		KR30081
		SCM009

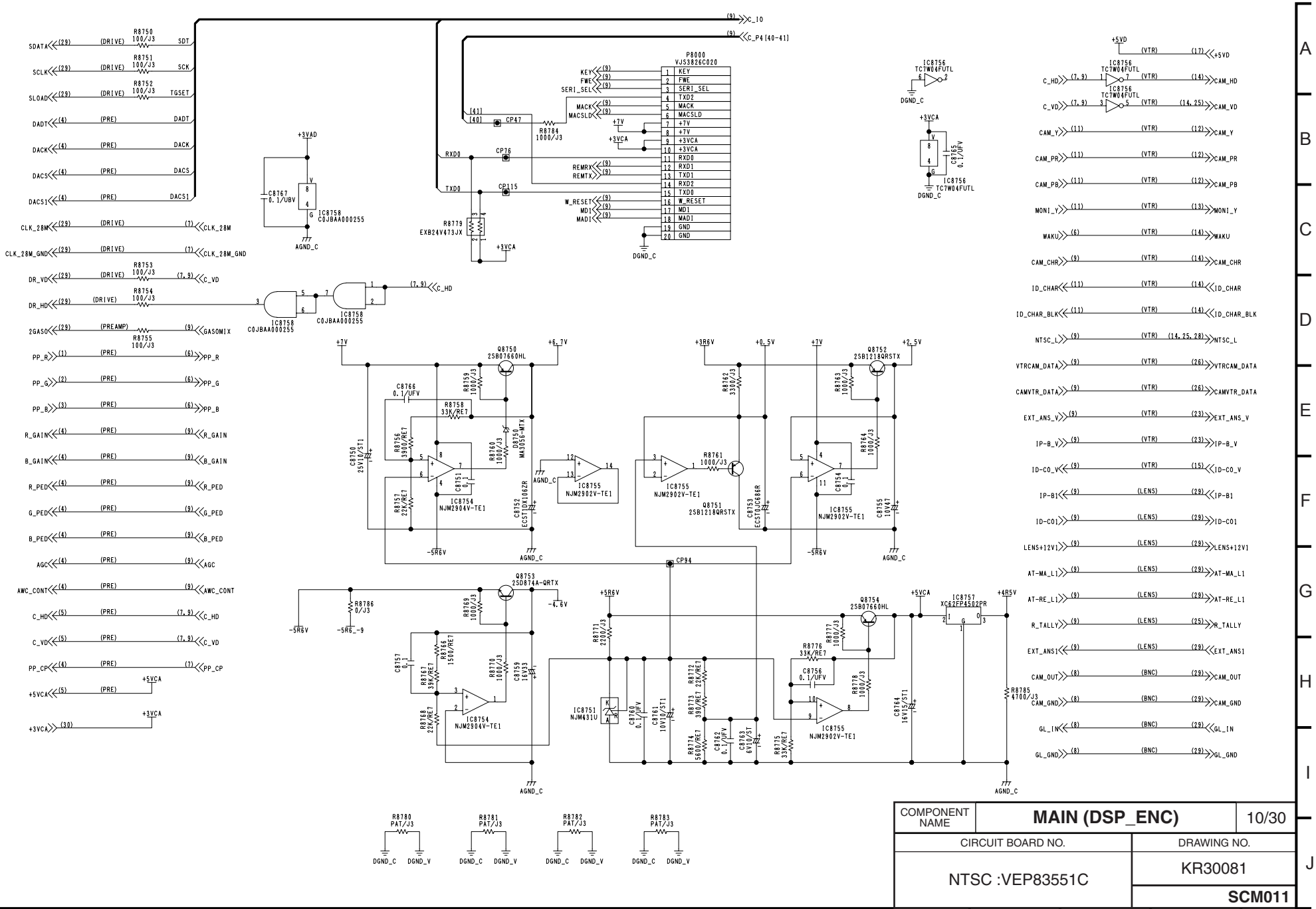


	NTSC	PAL
R8707	PAT/J3	0/J3
R8708	0/J3	PAT/J3

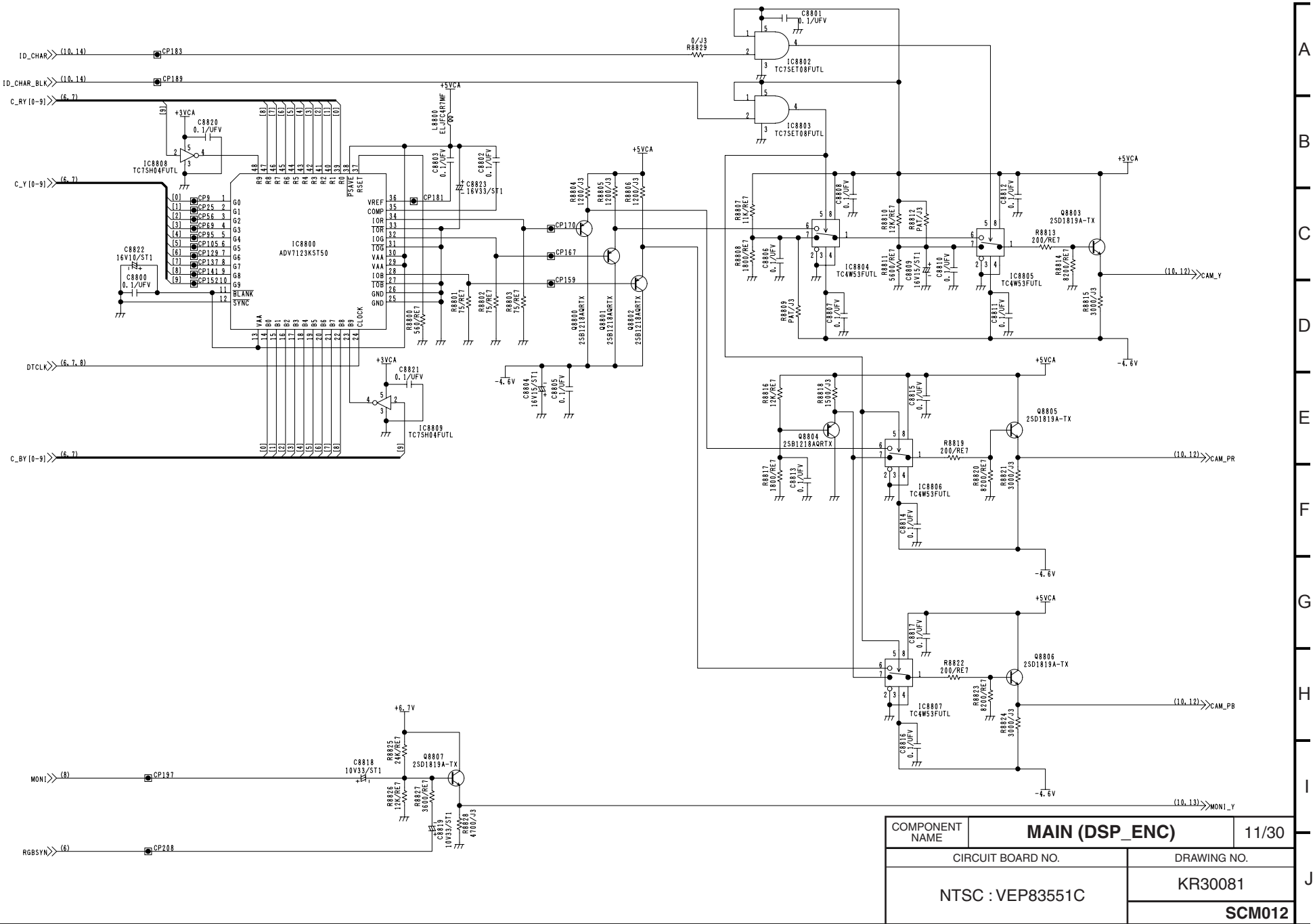
COMPONENT NAME	MAIN (DSP_ENC)	09/30
CIRCUIT BOARD NO.		DRAWING NO.
NTSC : VEP83551C		KR30081
		SCM010

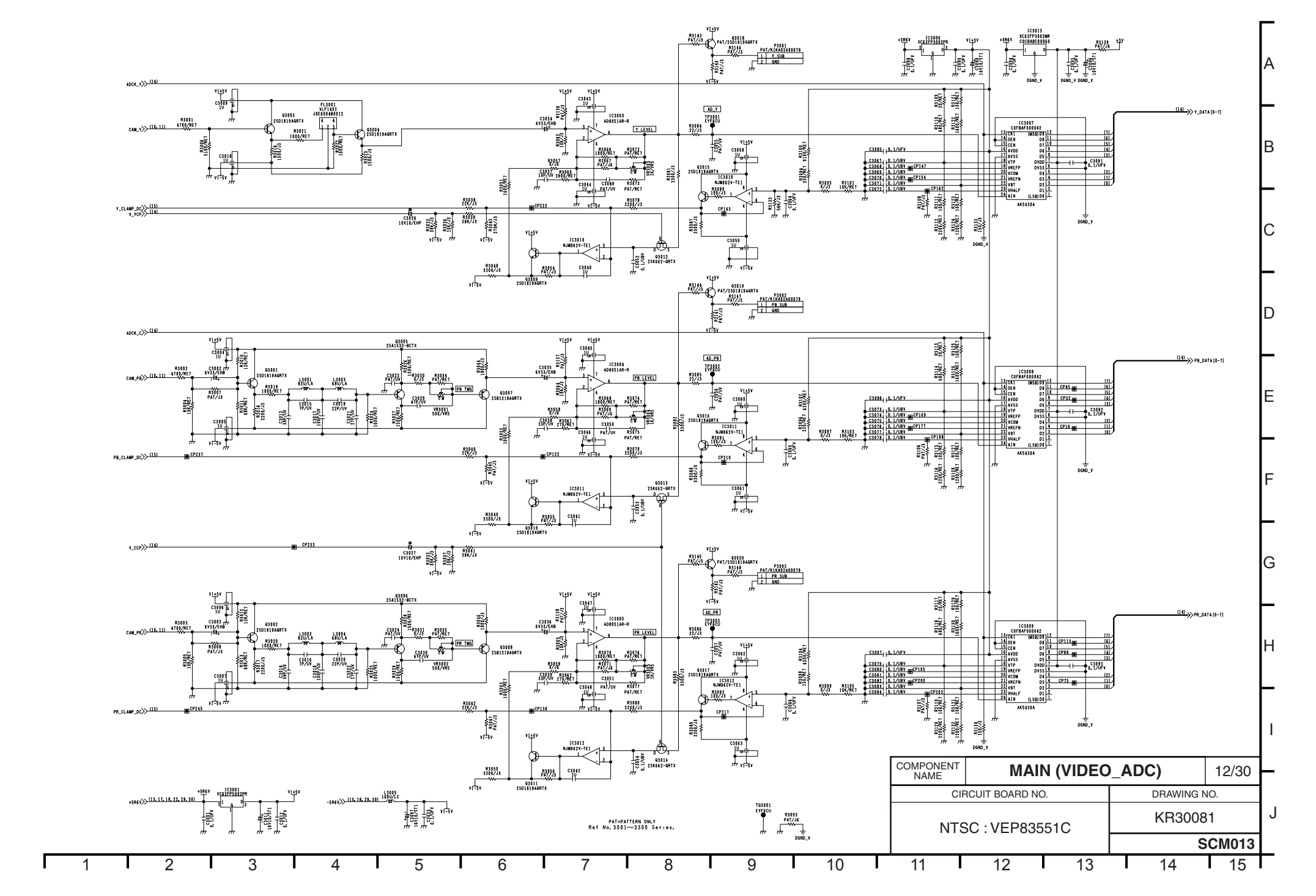
A B C D E F G H I J

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

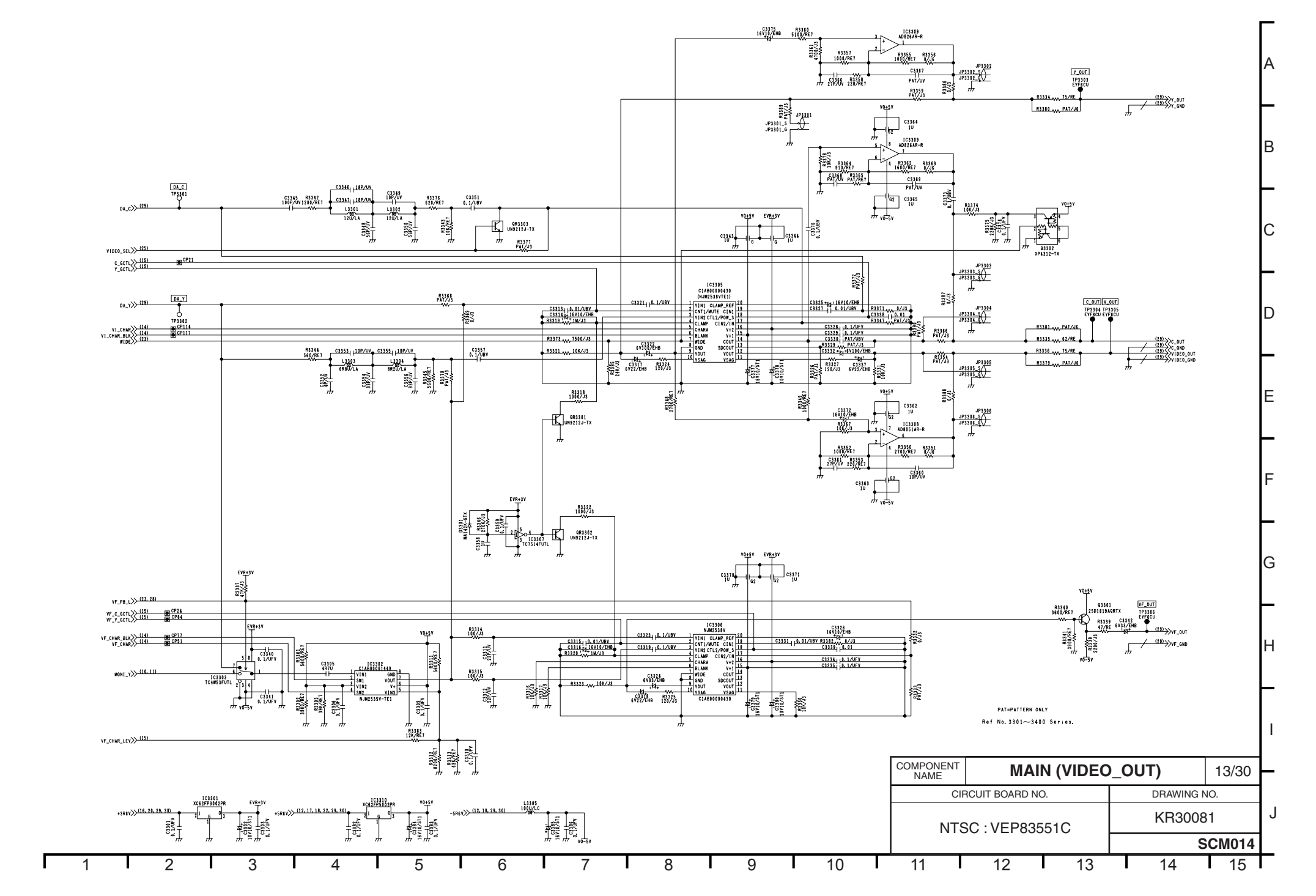


COMPONENT NAME	**MAIN (DSP_ENC)**	10/30
CIRCUIT BOARD NO.		DRAWING NO.
NTSC :VEP83551C		KR30081
		SCM011

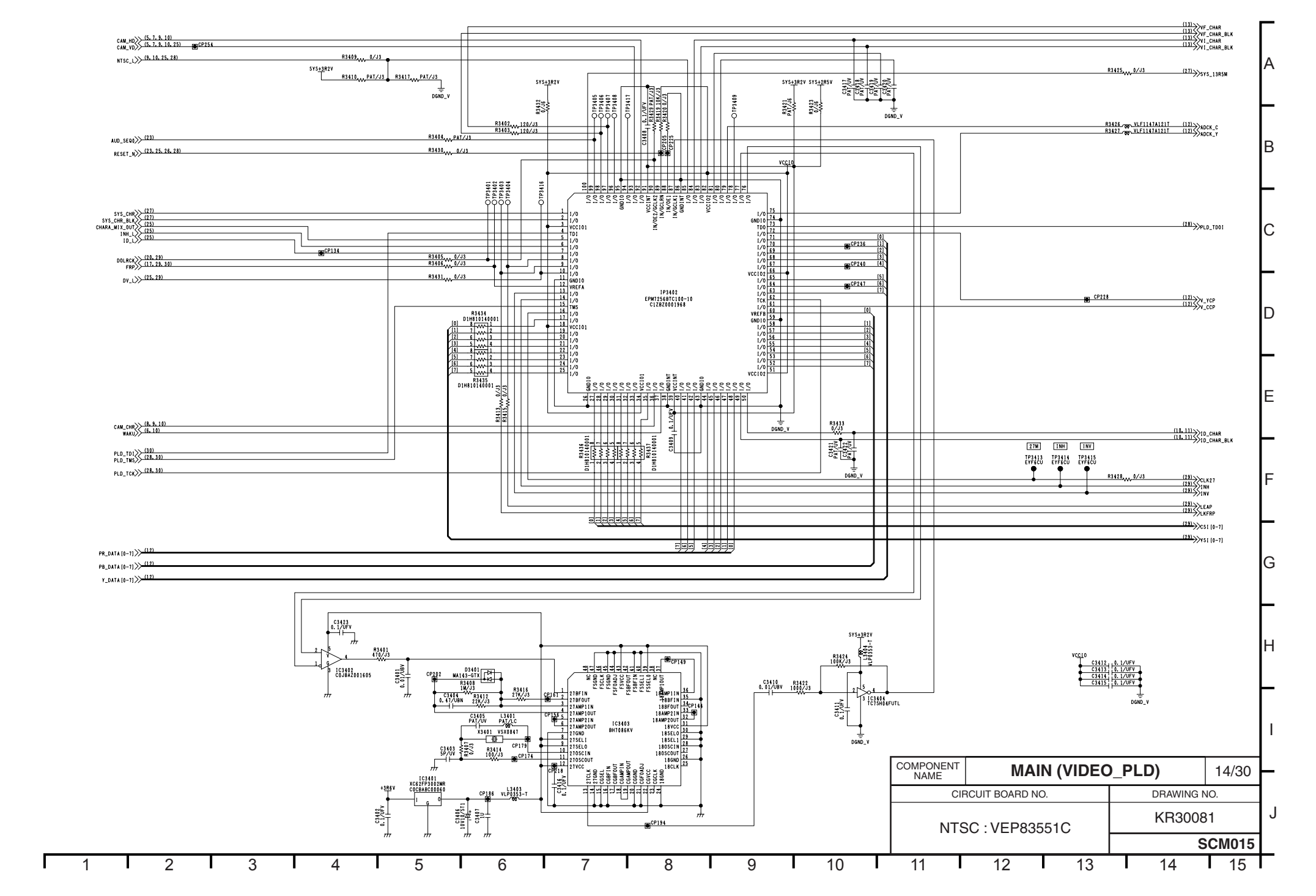

ID_CHAR
ID_CHAR_BLK
C_RY [0-9]
C_Y [0-9]
C_BY [0-9]
DTCLK
RGBSYN
MONI
IC8800 ADV7123KST50
IC8801 0.1/UFV
IC8802 TC7SET08FUTL
IC8803 TC7SET08FUTL
IC8804 TC4W53FUTL
IC8805 TC4W53FUTL
IC8806 TC4W53FUTL
IC8807 TC4W53FUTL
IC8808 TC7SH04FUTL
IC8809 TC7SH04FUTL
Q8800 2SB1218A4QRTX
Q8801 2SB1218A4QRTX
Q8802 2SB1218A4QRTX
Q8803 2SD1819A-TX
Q8804 2SB1218AQRTX
Q8805 2SD1819A-TX
Q8806 2SD1819A-TX
Q8807 2SD1819A-TX
+5VCA
+3VCA
+6.7V
-4.6V
CAM_Y
CAM_PR
CAM_PB
MONI_Y
COMPONENT NAME
MAIN (DSP_ENC)
11/30
CIRCUIT BOARD NO.
NTSC : VEP83551C
DRAWING NO.
KR30081
SCM012



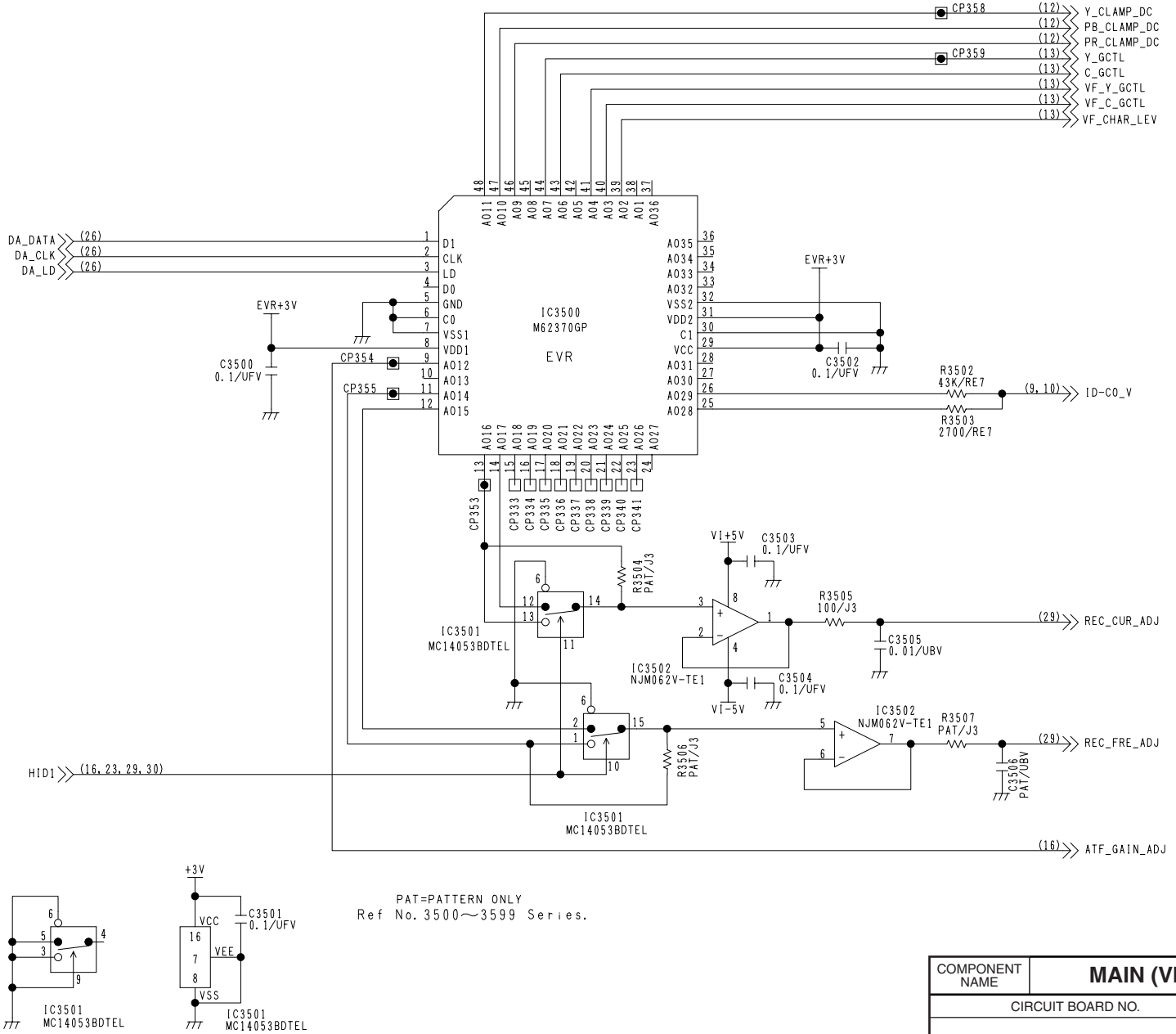
COMPONENT NAME	MAIN (VIDEO_ADC)	12/30
CIRCUIT BOARD NO.		DRAWING NO.
NTSC : VEP83551C		KR30081
		SCM013



COMPONENT NAME	MAIN (VIDEO_OUT)	13/30
CIRCUIT BOARD NO.		DRAWING NO.
NTSC : VEP83551C		KR30081
		SCM014

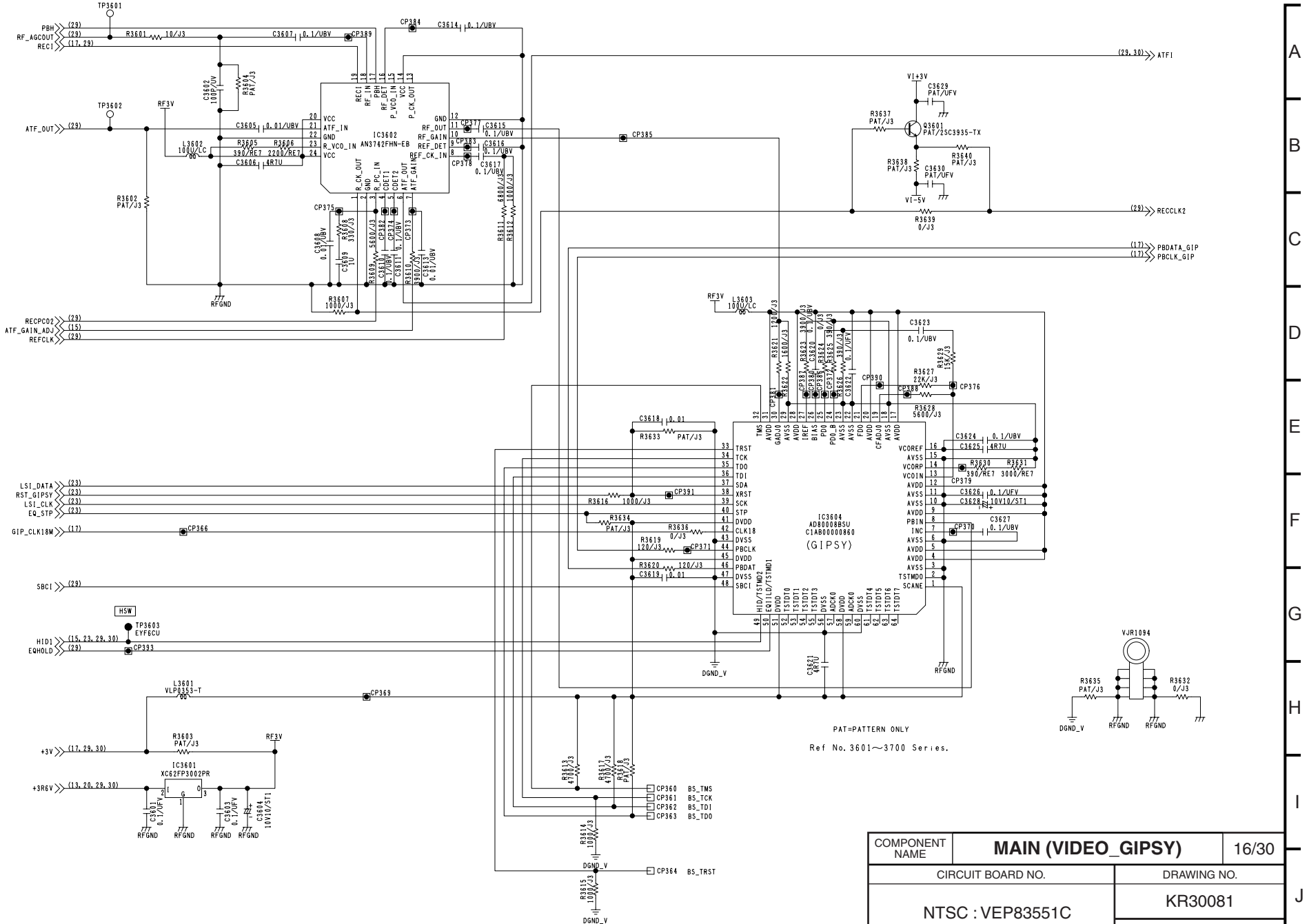


COMPONENT NAME	**MAIN (VIDEO_PLD)**	14/30
CIRCUIT BOARD NO.	DRAWING NO.	
NTSC : VEP83551C	KR30081	
	SCM015	



PAT=PATTERN ONLY
Ref No. 3500～3599 Series.

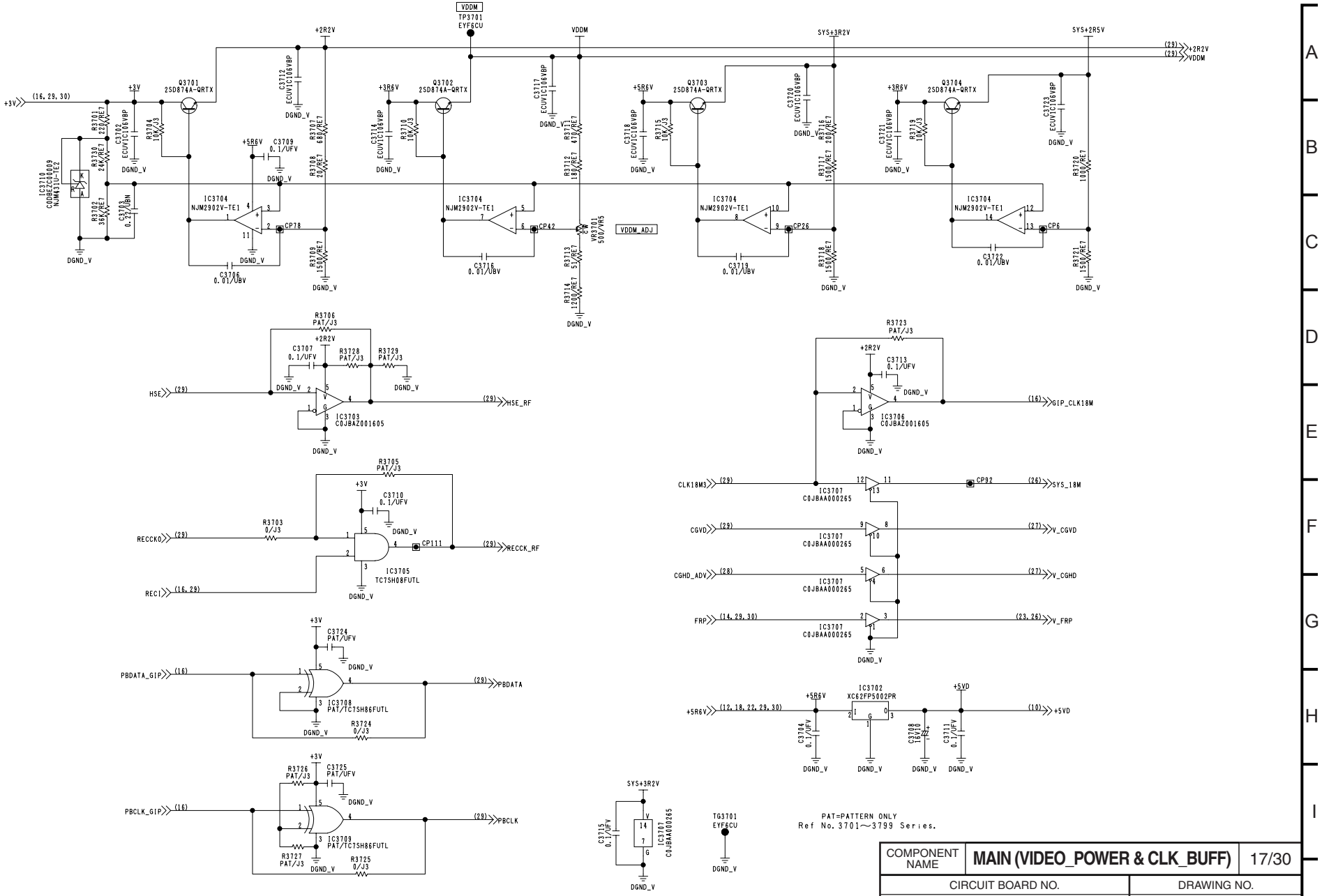
COMPONENT NAME	**MAIN (VIDEO_EVR)**	15/30
CIRCUIT BOARD NO.		DRAWING NO.
NTSC : VEP83551C		KR30081
		SCM016



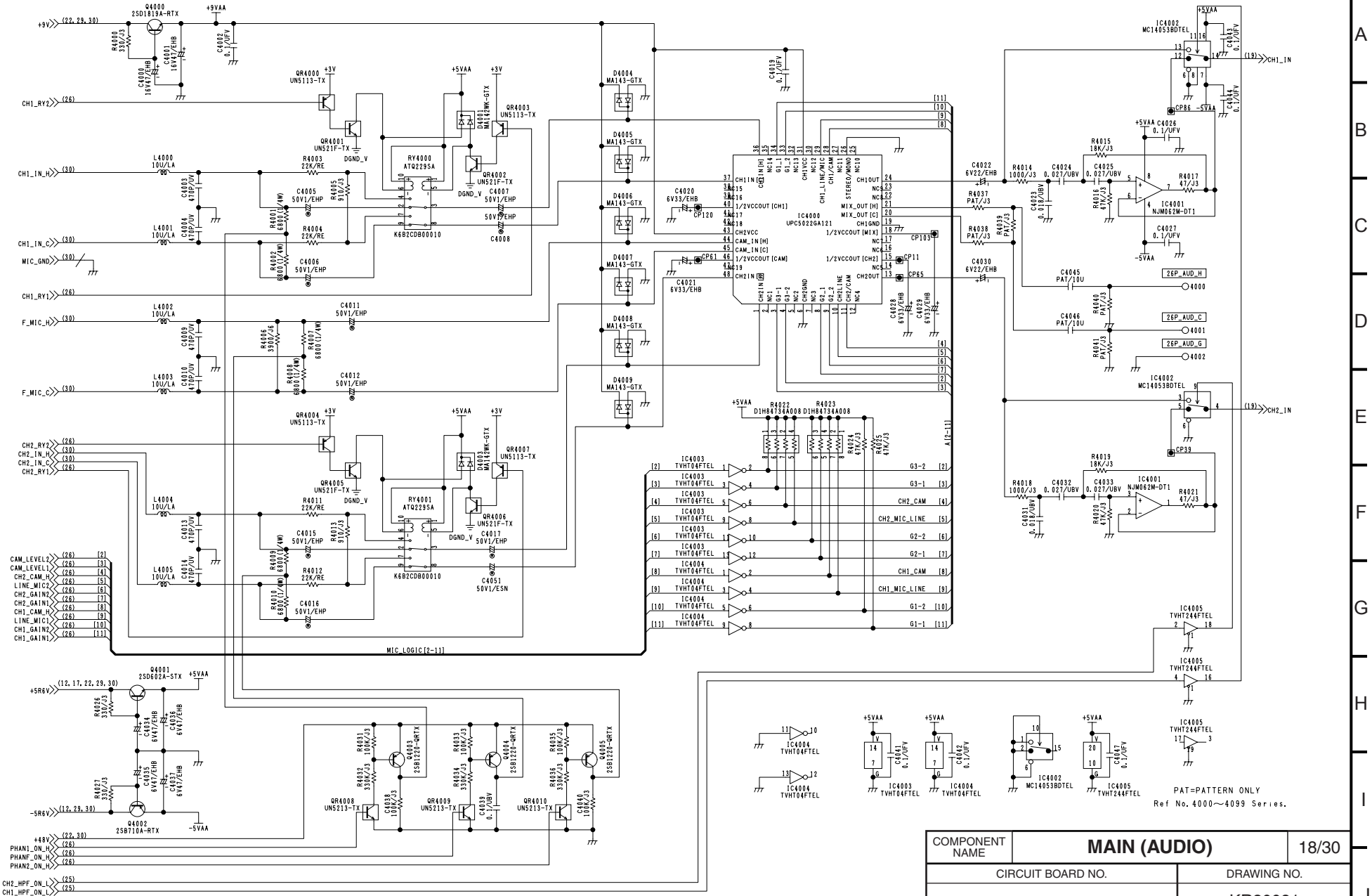
COMPONENT NAME	MAIN (VIDEO_GIPSY)	16/30
CIRCUIT BOARD NO.		DRAWING NO.
NTSC : VEP83551C		KR30081
		SCM017

A B C D E F G H I J

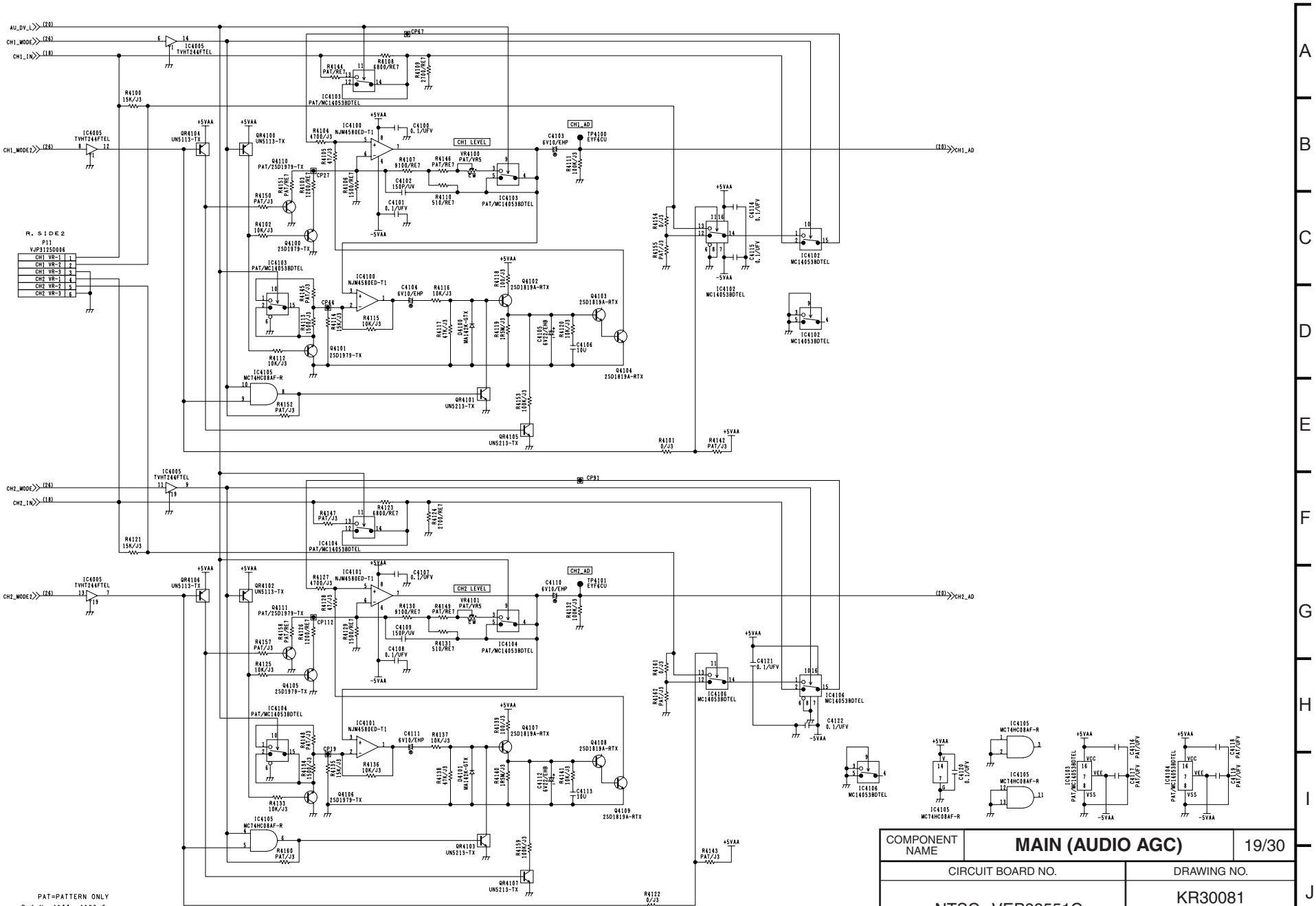
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15



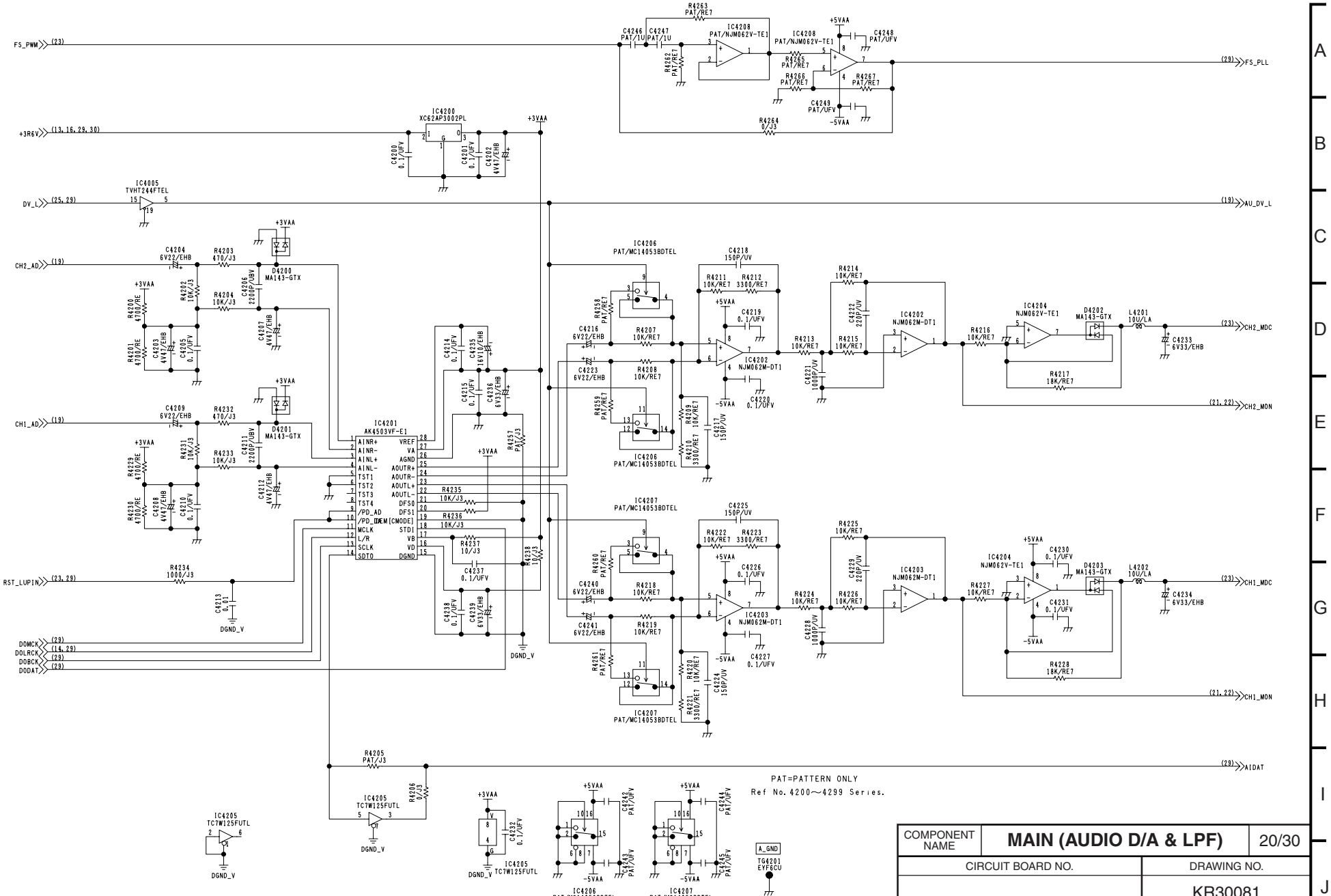
COMPONENT NAME	**MAIN (VIDEO_POWER & CLK_BUFF)**	17/30
CIRCUIT BOARD NO.		DRAWING NO.
NTSC : VEP83551C		KR30081
		SCM018

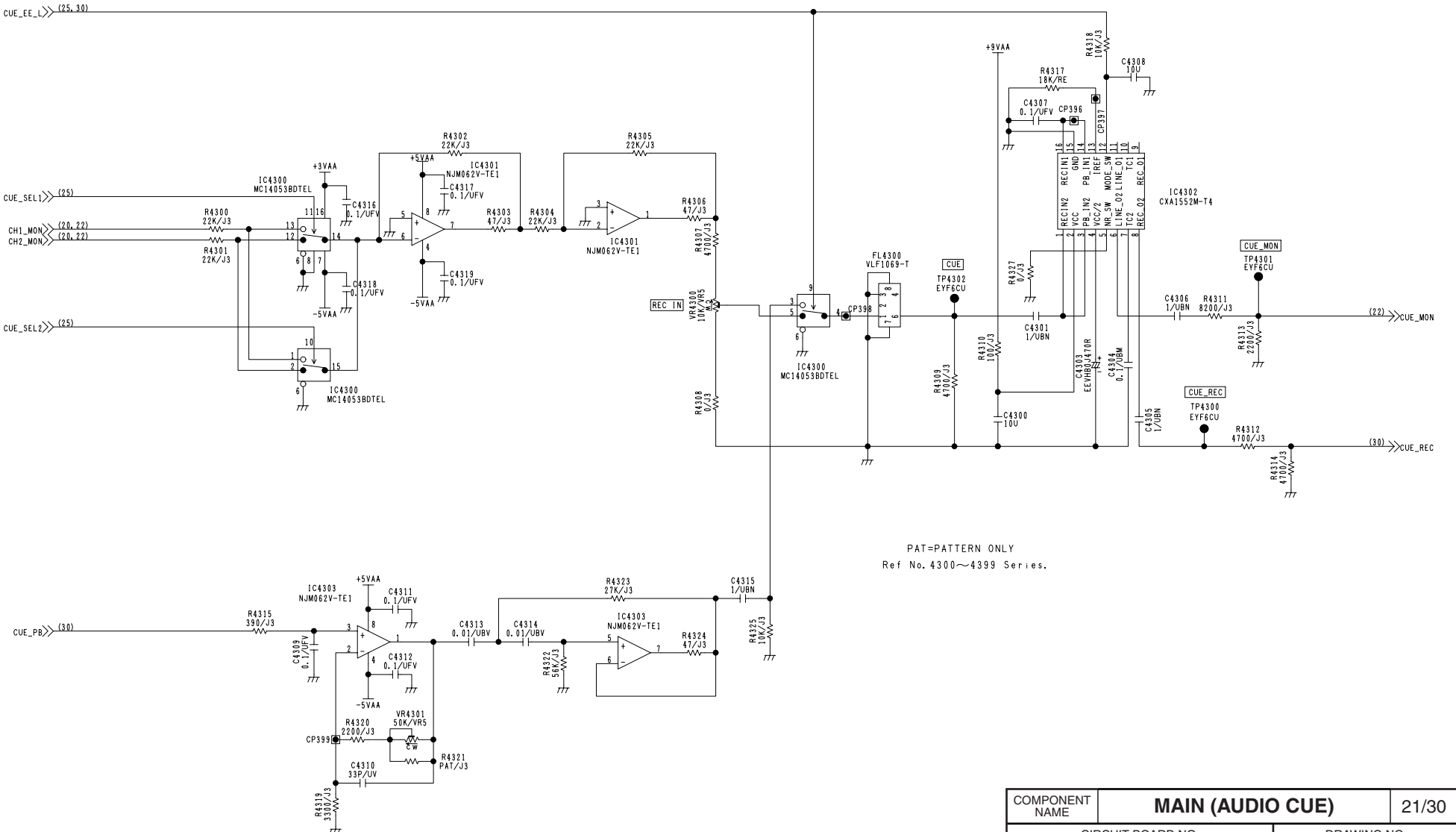


COMPONENT NAME	**MAIN (AUDIO)**	18/30
CIRCUIT BOARD NO.		DRAWING NO.
NTSC : VEP83551C		KR30081
		SCM019

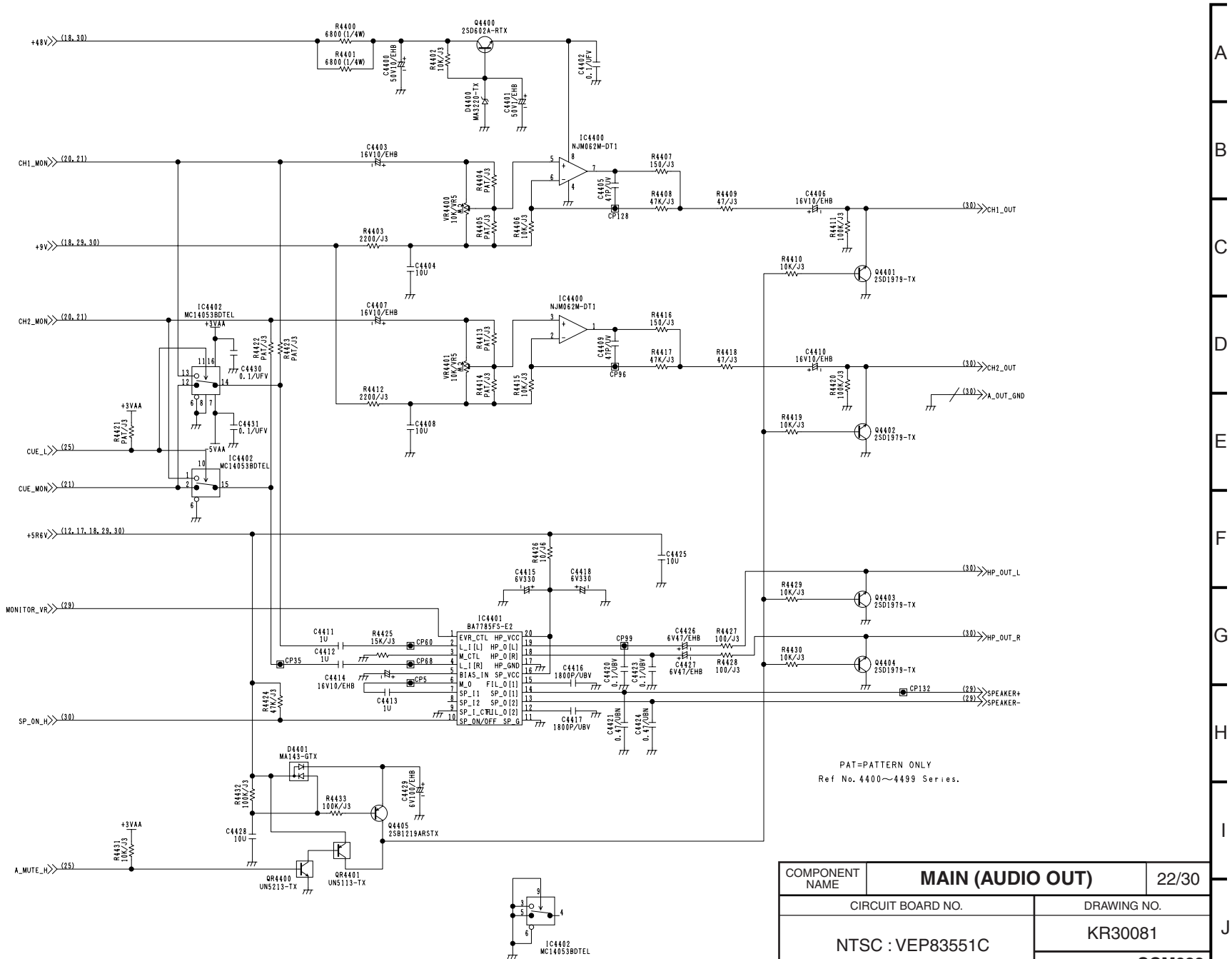


COMPONENT NAME	**MAIN (AUDIO AGC)**	19/30
CIRCUIT BOARD NO.	DRAWING NO.	
NTSC : VEP83551C	KR30081	
	SCM020	

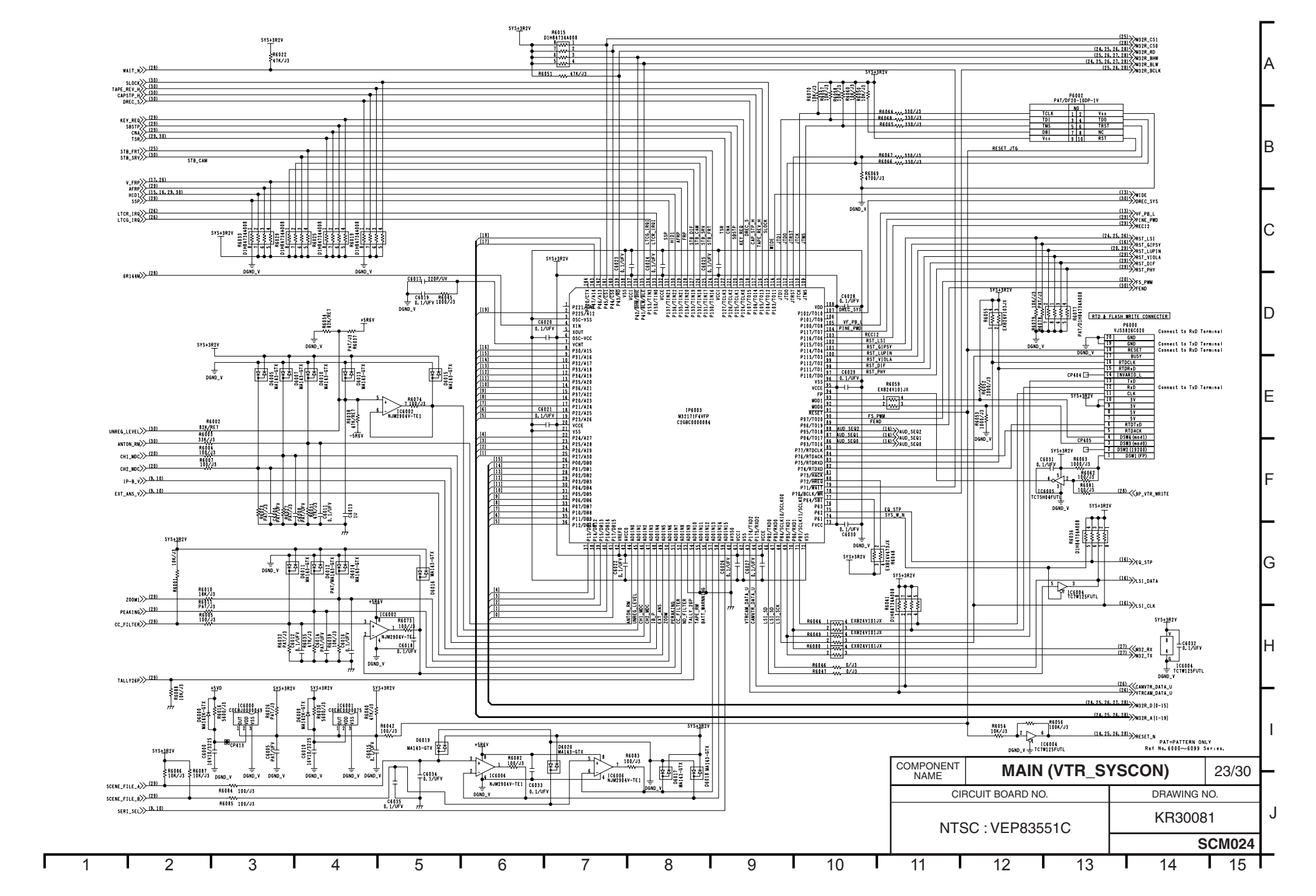

FS_PWM (23)
+3R6V (13, 16, 29, 30)
DV_L (25, 29)
CH2_AD (19)
CH1_AD (19)
RST_LUPIN (23, 29)
DOMCK (29)
DOLRCK (14, 29)
DOBCK (29)
DODAT (29)
(29) FS_PLL
(19) AU_DV_L
(23) CH2_MDC
(21, 22) CH2_MON
(23) CH1_MDC
(21, 22) CH1_MON
(29) AIDAT
IC4200 XC62AP3002PL
IC4005 TVHT244FTEL
IC4201 AK4503VF-E1
IC4202 NJM062M-DT1
IC4203 NJM062M-DT1
IC4204 NJM062V-TE1
IC4205 TC7W125FUTL
IC4206 PAT/MC14053BDTEL
IC4207 PAT/MC14053BDTEL
IC4208 PAT/NJM062V-TE1
D4200 MA143-GTX
D4201 MA143-GTX
D4202 MA143-GTX
D4203 MA143-GTX
L4201 10U/LA
L4202 10U/LA
TG4201 EYECU
PAT=PATTERN ONLY
Ref No. 4200～4299 Series.
COMPONENT NAME
MAIN (AUDIO D/A & LPF)
20/30
CIRCUIT BOARD NO.
NTSC : VEP83551C
DRAWING NO.
KR30081
SCM021

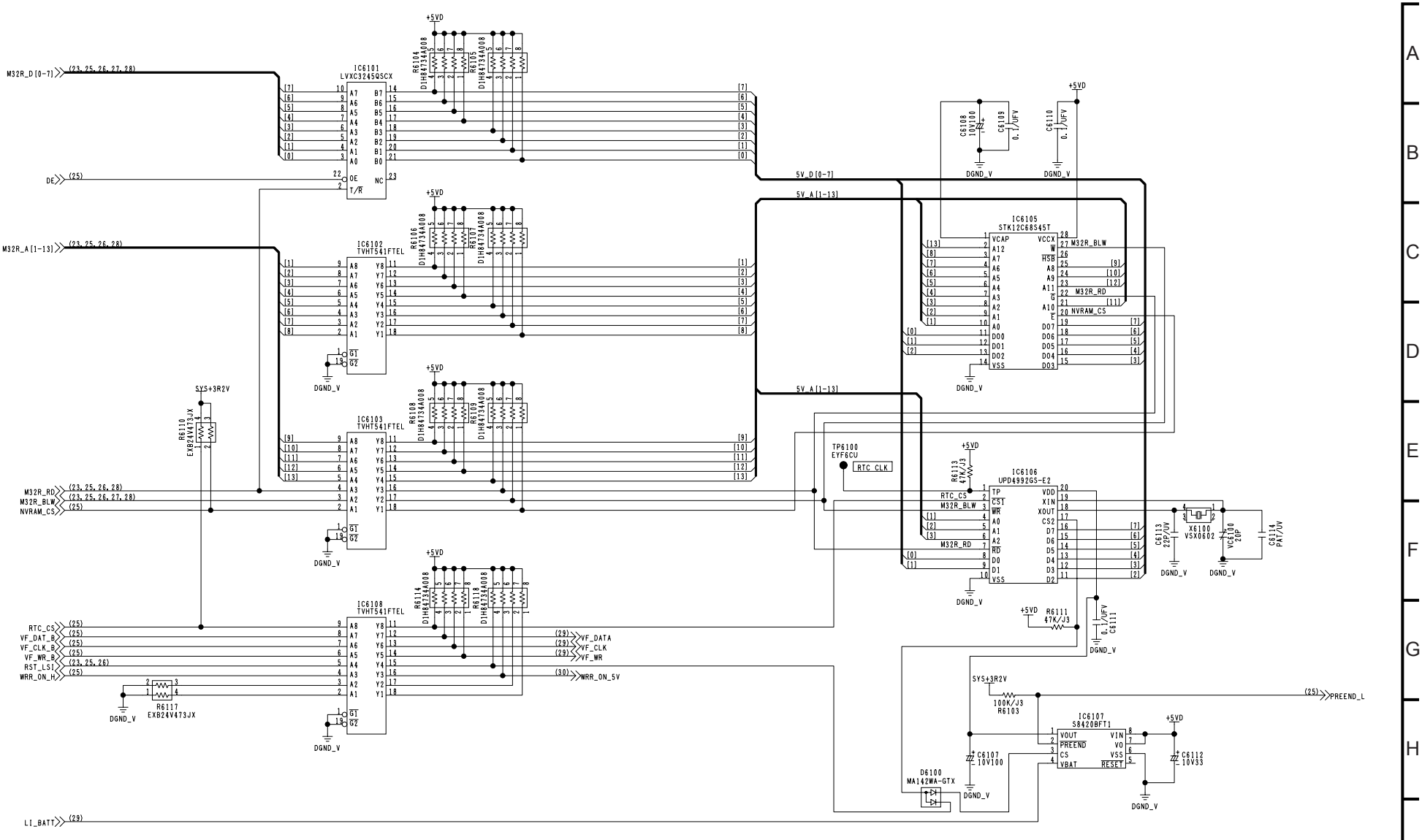


COMPONENT NAME	MAIN (AUDIO CUE)	21/30
CIRCUIT BOARD NO.		DRAWING NO.
NTSC : VEP83551C		KR30081
		SCM022



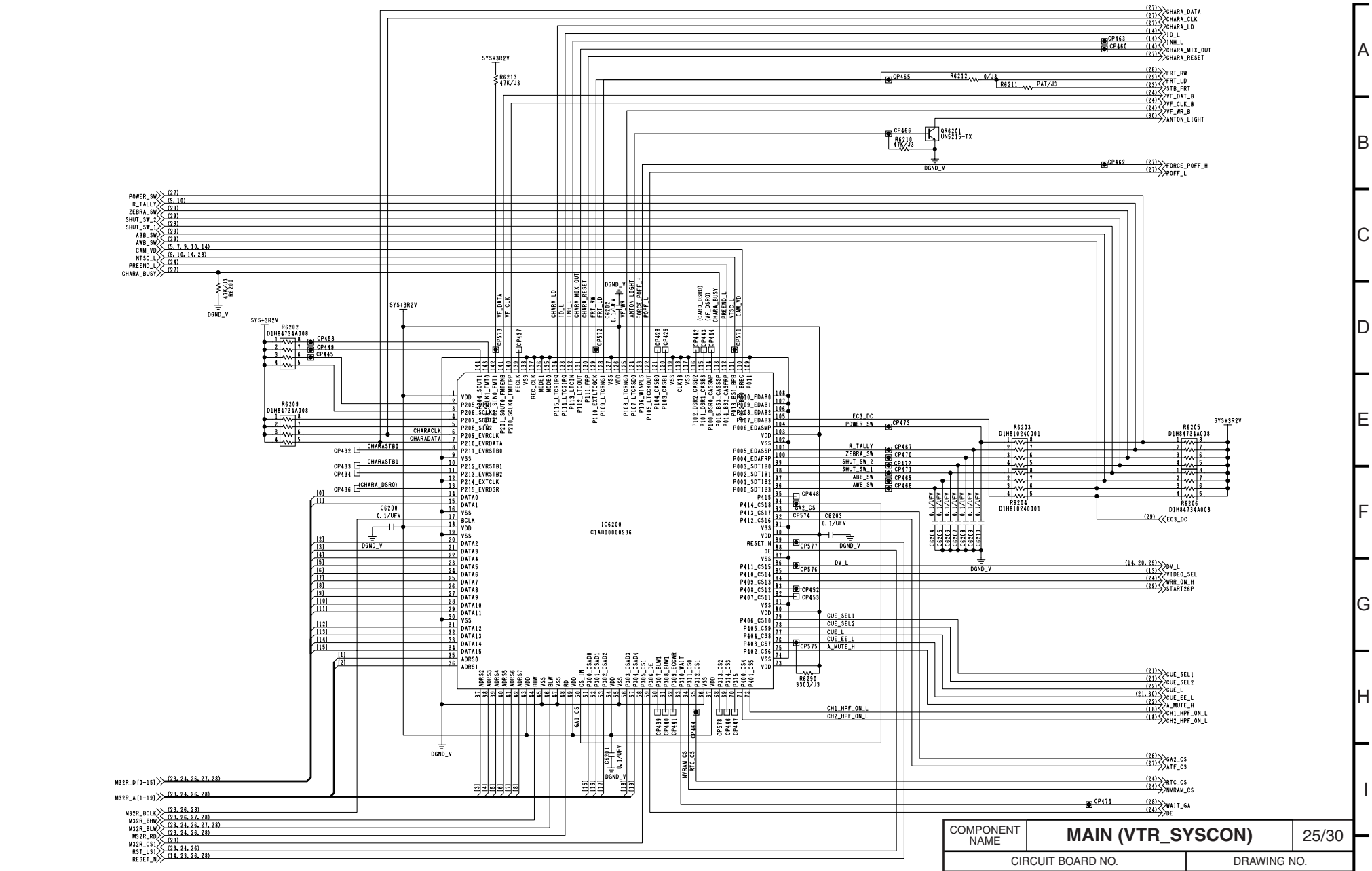
COMPONENT NAME	MAIN (AUDIO OUT)	22/30
CIRCUIT BOARD NO.		DRAWING NO.
NTSC : VEP83551C		KR30081
		SCM023


IP6003
M32171F4VFP
C2GBC0000084
P6002
PAT/DF9-10DP-1V
RTD & FLASH WRITE CONNECTER
P6000
VJS3820C020
Connect to RxD Terminal
Connect to TxD Terminal
Connect to RxD Terminal
Connect to TxD Terminal
PAT=PATTERN ONLY
Ref No. 6000~6099 Series.
COMPONENT NAME
MAIN (VTR_SYSCON)
23/30
CIRCUIT BOARD NO.
NTSC : VEP83551C
DRAWING NO.
KR30081
SCM024

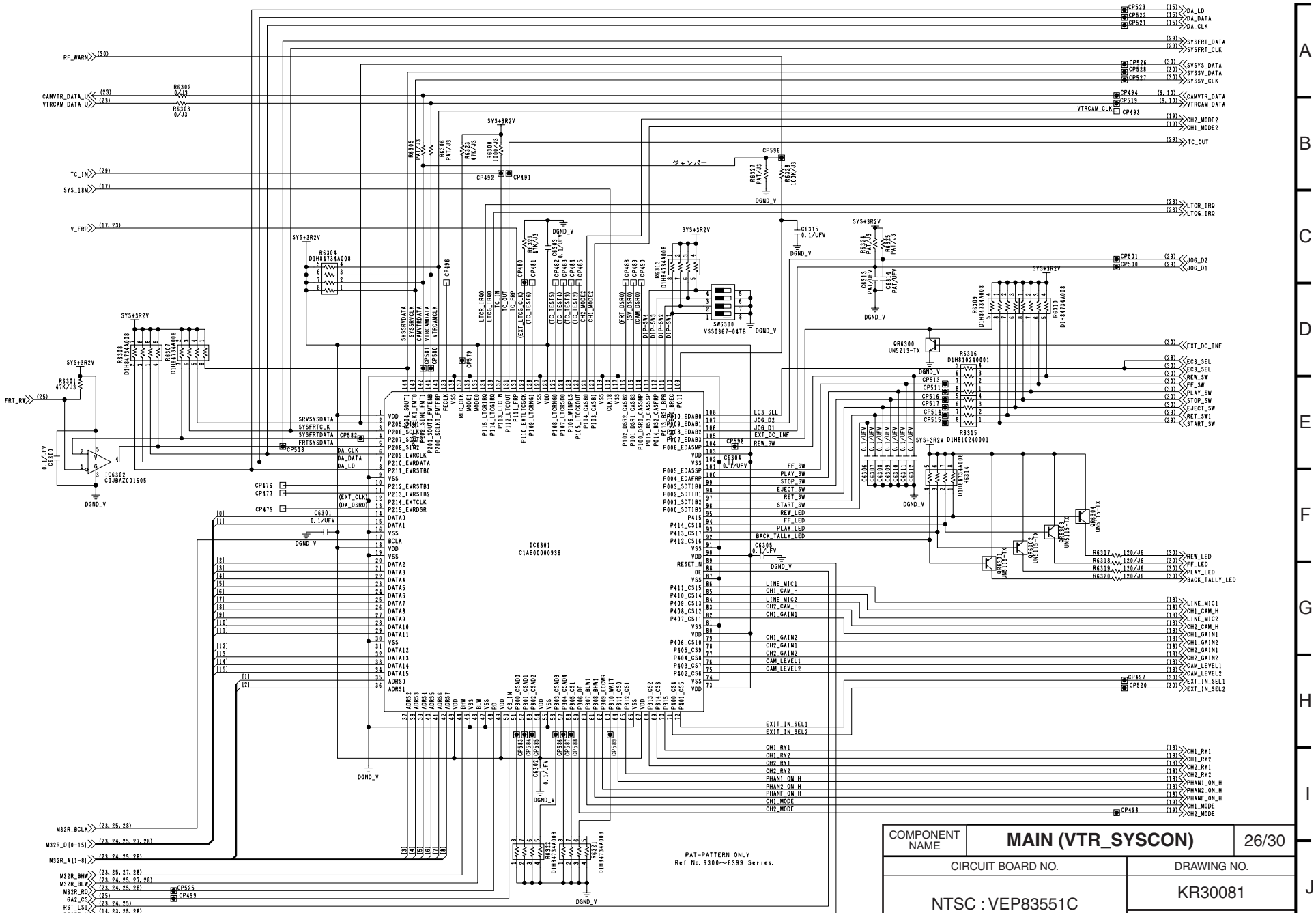


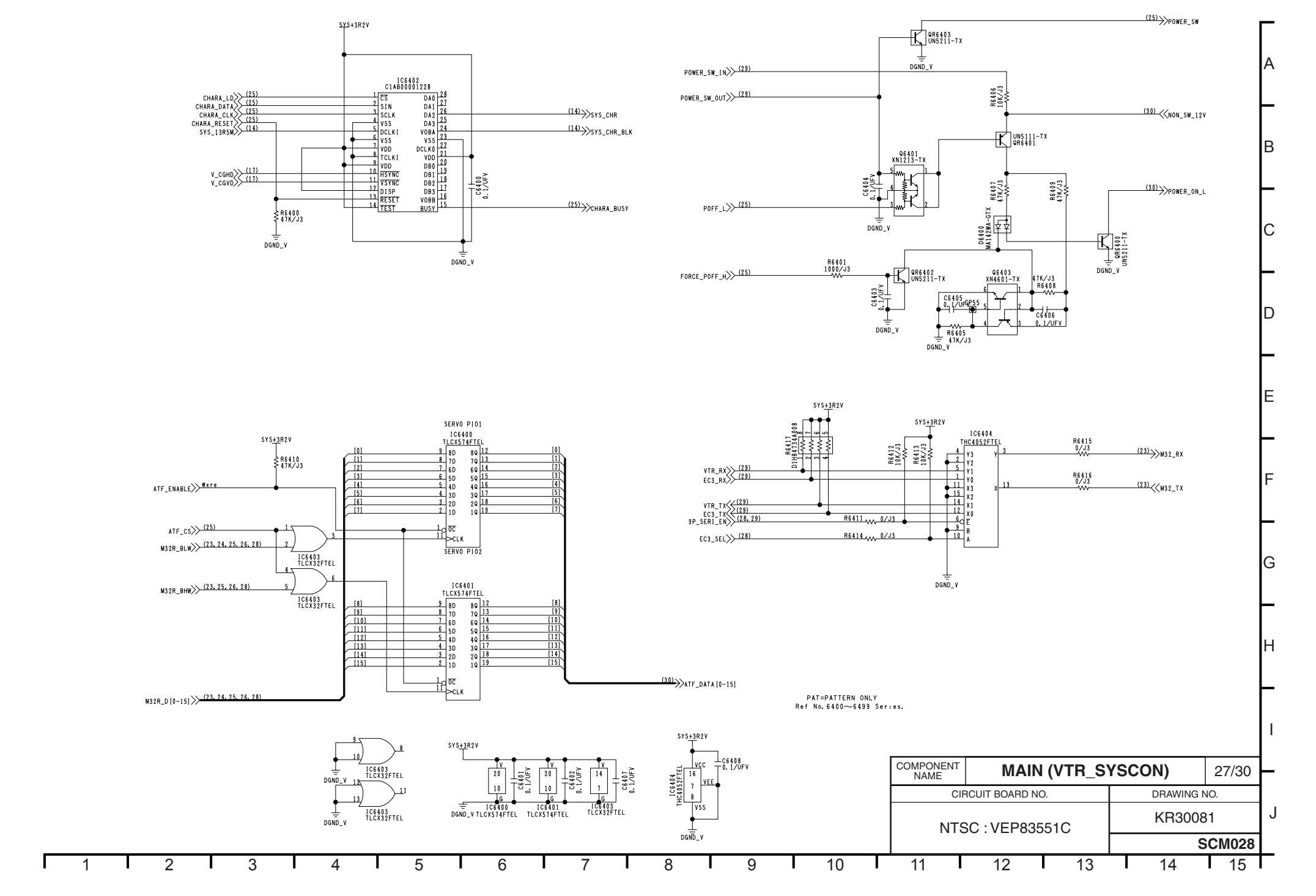
PAT=PATTERN ONLY
Ref No.6100～6199 Series.

COMPONENT NAME	**MAIN (VTR_SYSCON)**	24/30
CIRCUIT BOARD NO.	DRAWING NO.	
NTSC : VEP83551C	KR30081	
	SCM025	

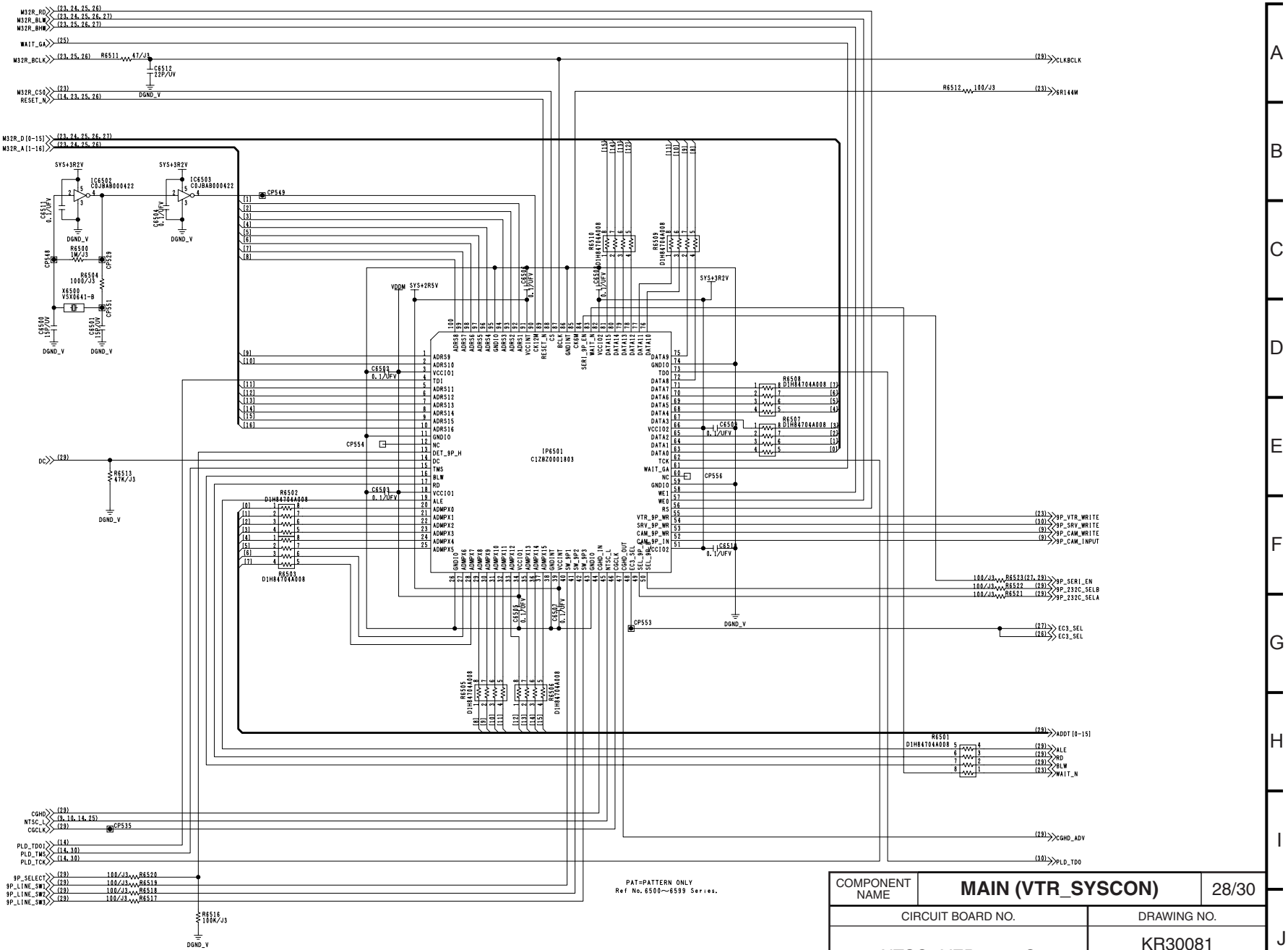


COMPONENT NAME	MAIN (VTR_SYSCON)	25/30
CIRCUIT BOARD NO.		DRAWING NO.
NTSC : VEP83551C		KR30081
		SCM026

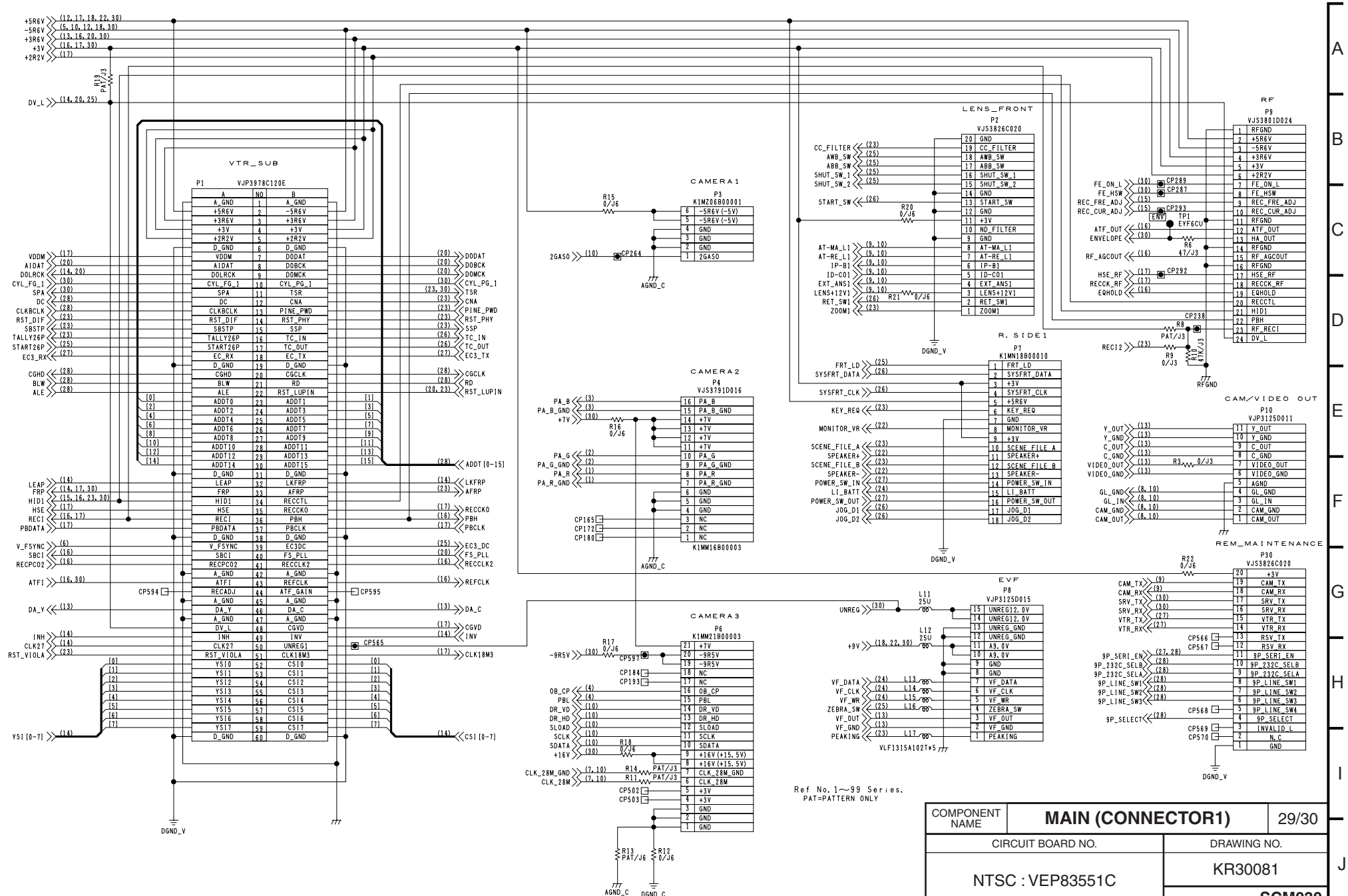

IC6301
C1AB00000936
IC6302
C0JBAZ001605
SW6300
VSS0367-04TB
QR6300
UN5213-TX
QR6301
UN5119-TX
QR6302
UN5119-TX
QR6303
UN5119-TX
QR6304
UN5119-TX
PAT=PATTERN ONLY
Ref No.6300～6399 Series.
COMPONENT NAME
MAIN (VTR_SYSCON)
26/30
CIRCUIT BOARD NO.
NTSC : VEP83551C
DRAWING NO.
KR30081
SCM027

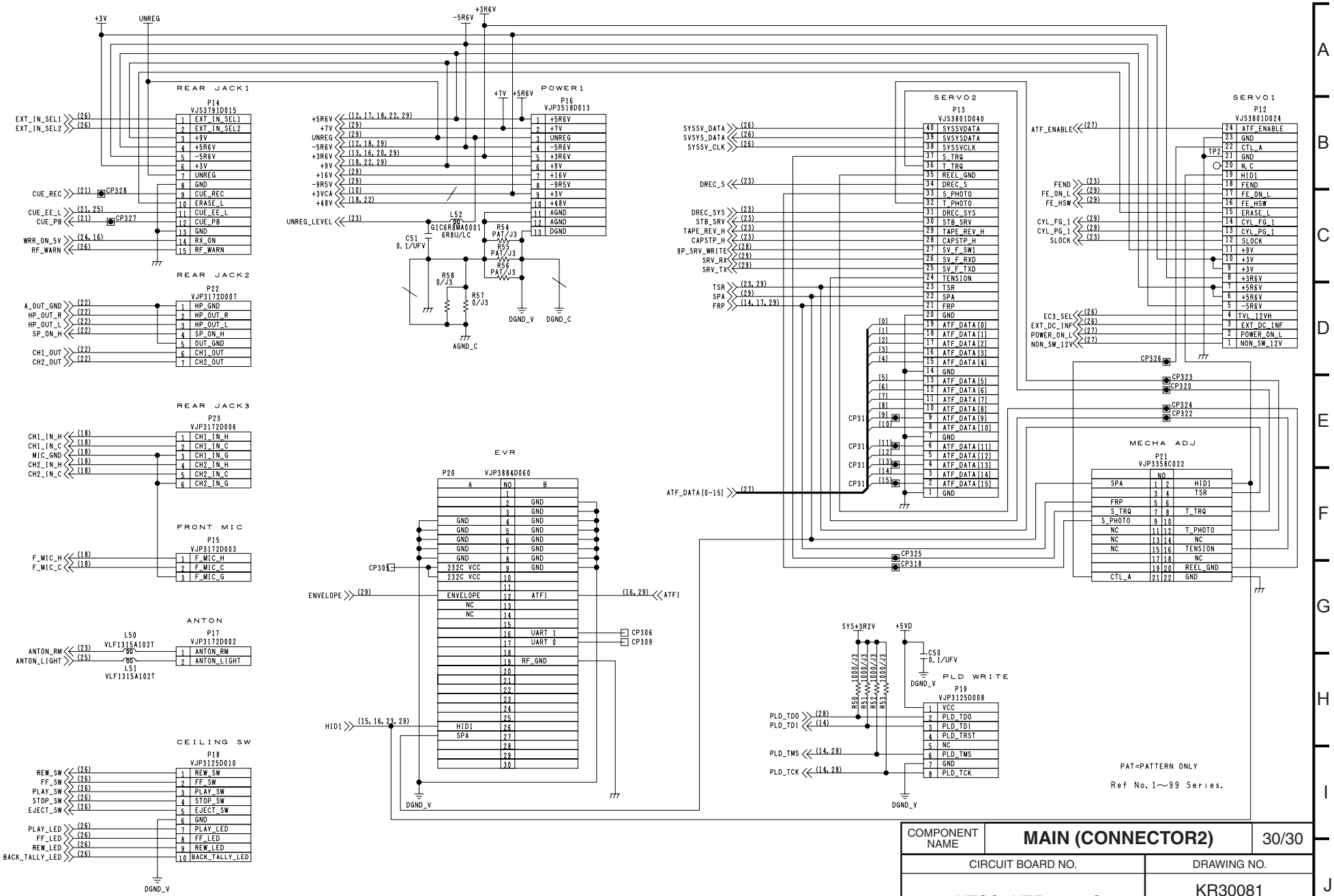


COMPONENT NAME	**MAIN (VTR_SYSCON)**	27/30
CIRCUIT BOARD NO.		DRAWING NO.
NTSC : VEP83551C		KR30081
		SCM028

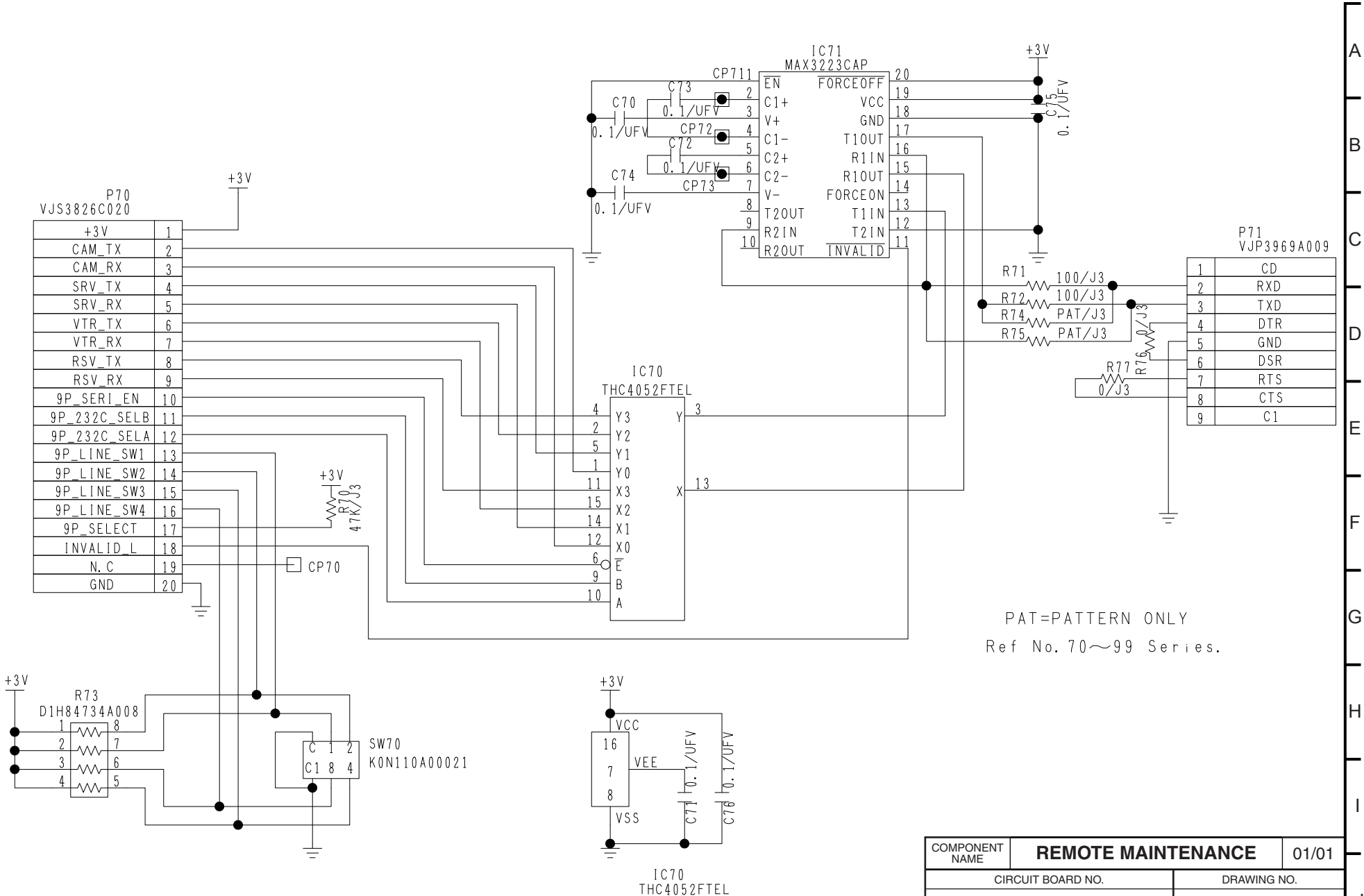


COMPONENT NAME	**MAIN (VTR_SYSCON)**	28/30
CIRCUIT BOARD NO.	DRAWING NO.	
NTSC : VEP83551C	KR30081	
	SCM029	

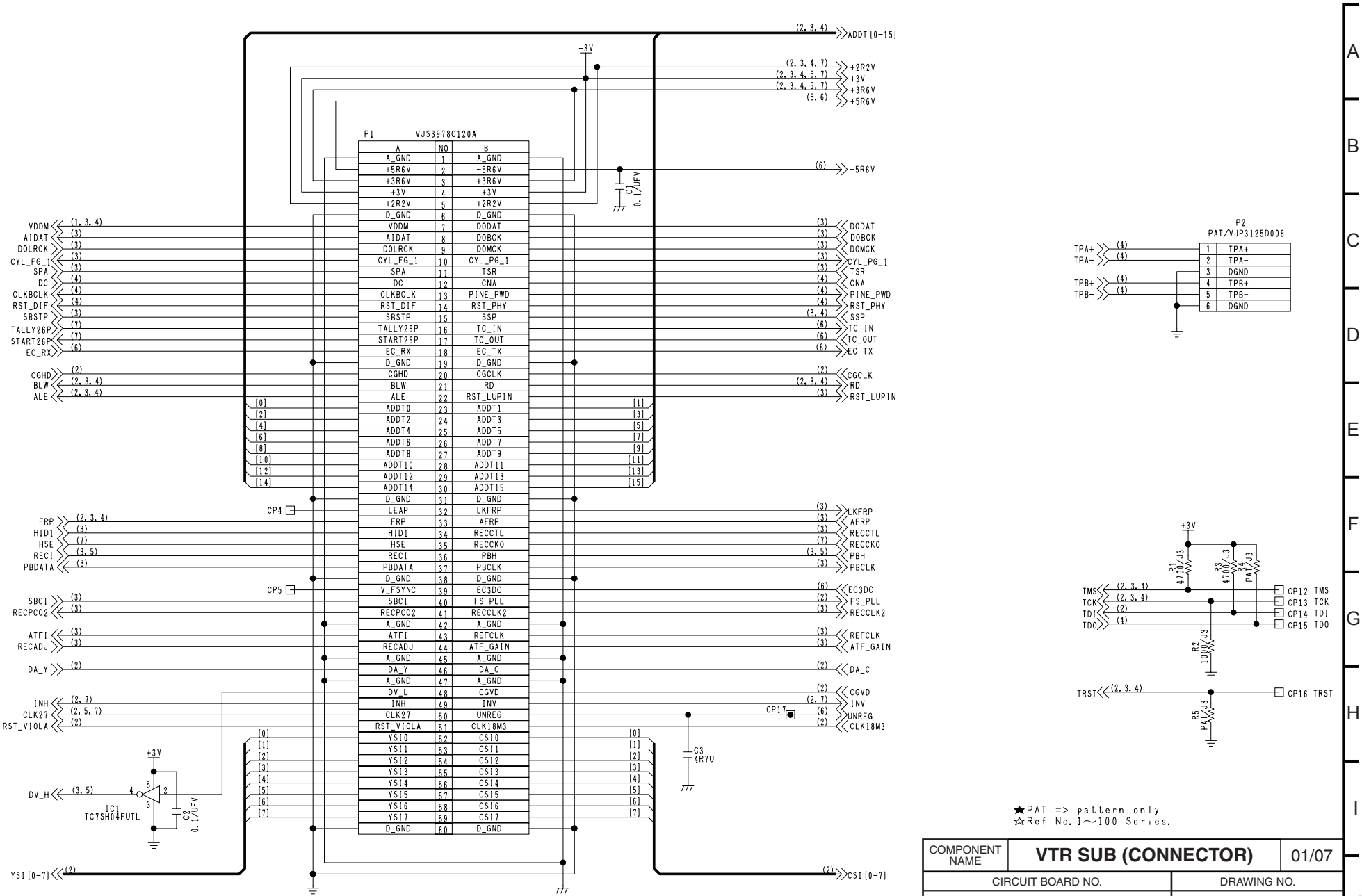

VTR_SUB
P1 VJP3978C120E
CAMERA1
P3 K1MZ06B00001
CAMERA2
P4 VJS3791D016
K1MM16B00003
CAMERA3
P6 K1MM21B00003
LENS_FRONT
P2 VJS3826C020
R. SIDE1
P7 K1MN18B00010
EVF
P8 VJP3125D015
RF
P9 VJS3801D024
CAM/VIDEO OUT
P10 VJP3125D011
REM_MAINTENANCE
P30 VJS3826C020
DGND_V
AGND_C
Ref No. 1～99 Series.
PAT=PATTERN ONLY
COMPONENT NAME
MAIN (CONNECTOR1)
29/30
CIRCUIT BOARD NO.
NTSC : VEP83551C
DRAWING NO.
KR30081
SCM030



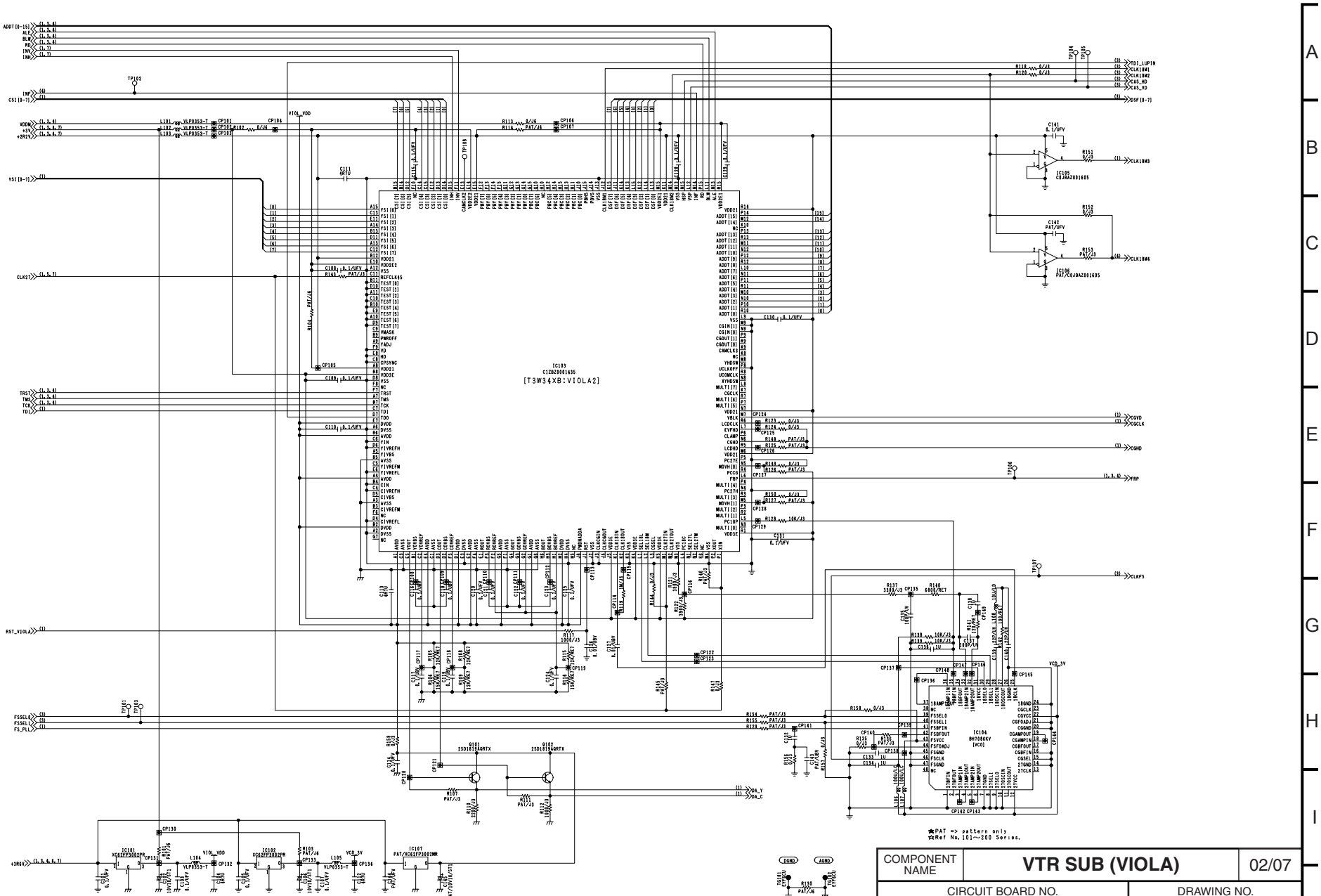
COMPONENT NAME	MAIN (CONNECTOR2)	30/30
CIRCUIT BOARD NO.		DRAWING NO.
NTSC : VEP83551C		KR30081
		SCM031



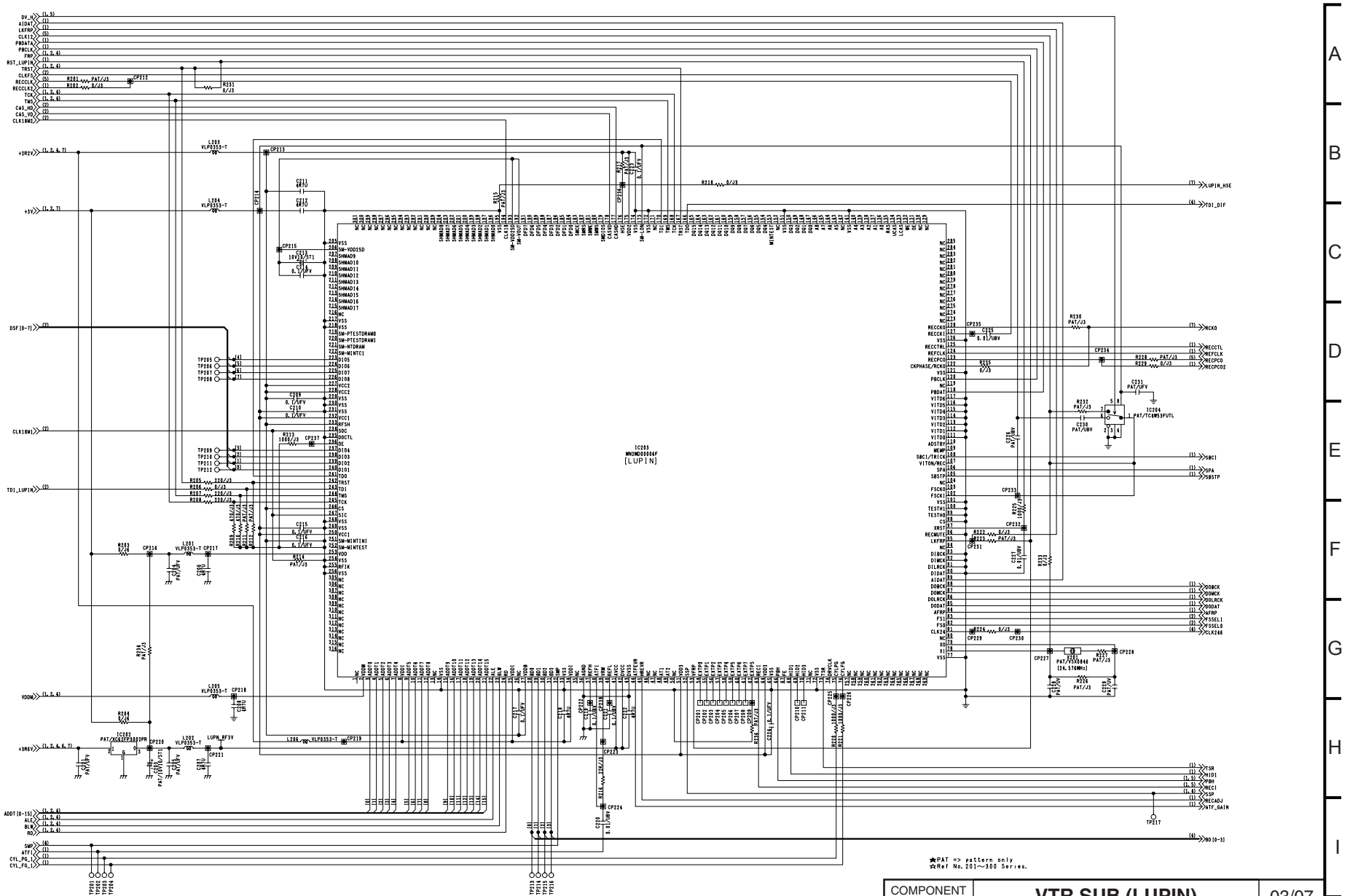
COMPONENT NAME	REMOTE MAINTENANCE	01/01
CIRCUIT BOARD NO.		DRAWING NO.
NTSC : VEP80C20A		KR0Q48
		SCM032



COMPONENT NAME	**VTR SUB (CONNECTOR)**	01/07
CIRCUIT BOARD NO.	DRAWING NO.	
NTSC : VEP83579A	KR30200	
	SCM033	



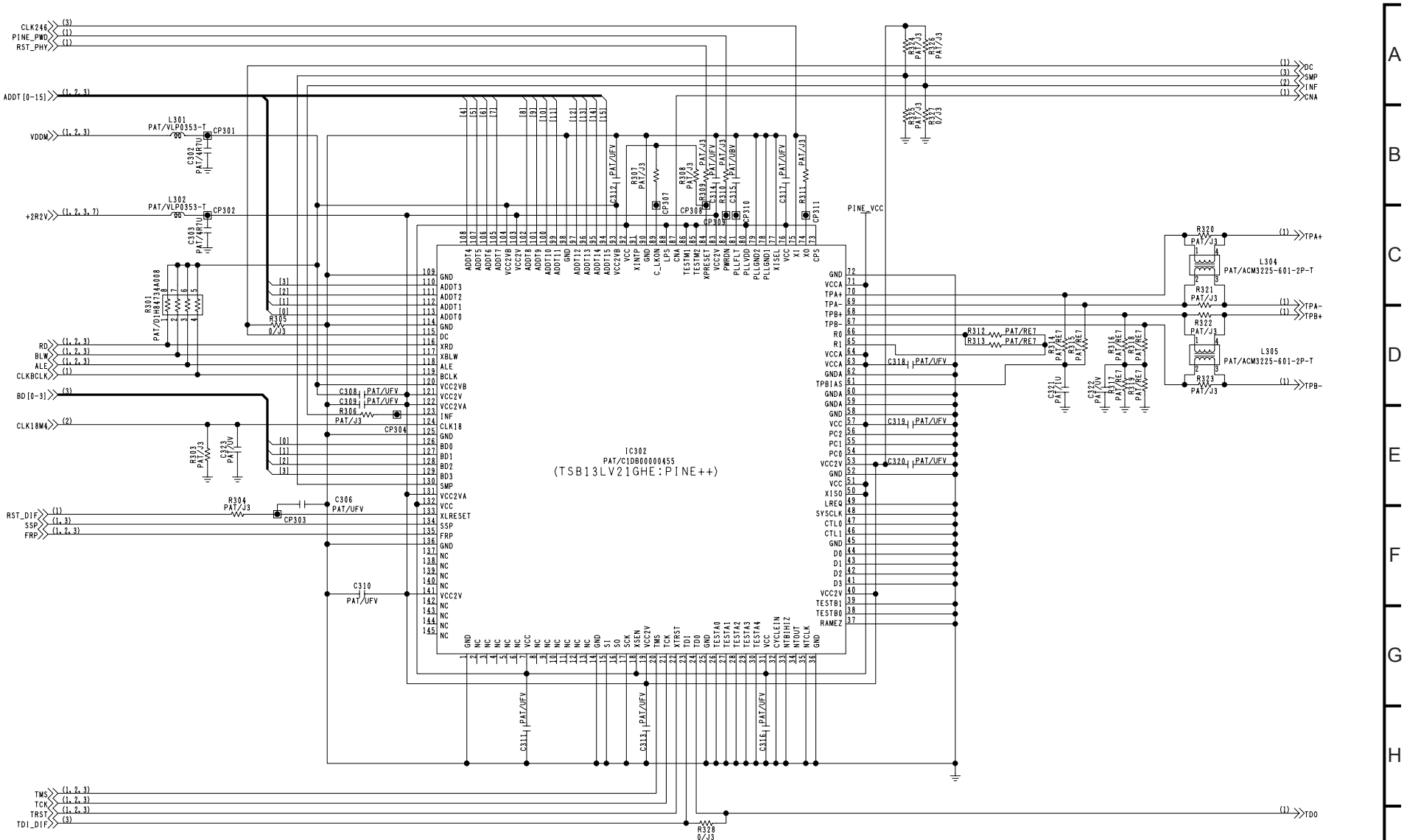
COMPONENT NAME	**VTR SUB (VIOLA)**	02/07
CIRCUIT BOARD NO.		DRAWING NO.
NTSC : VEP83579A		KR30200
		SCM034

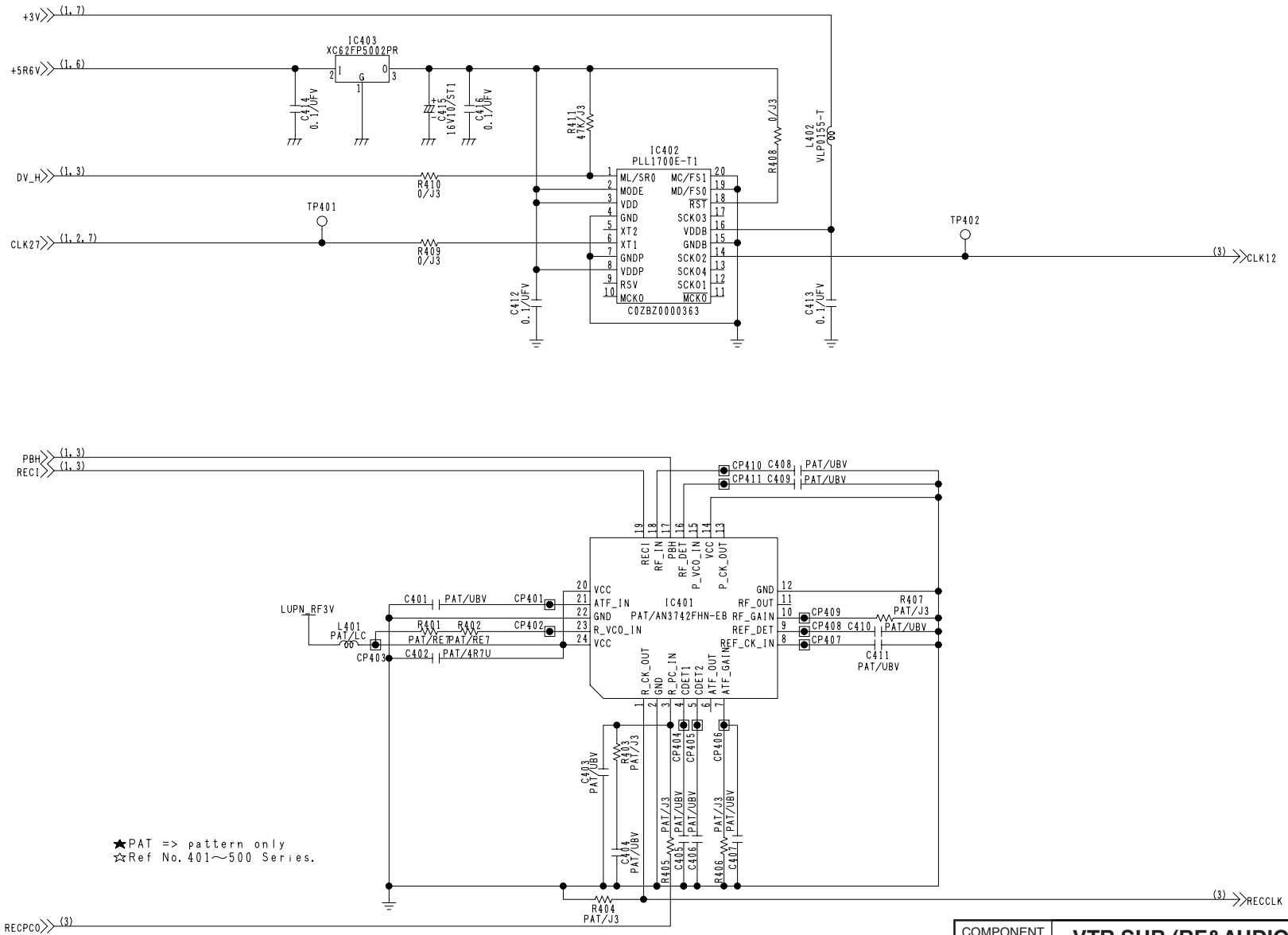


COMPONENT NAME	VTR SUB (LUPIN)	03/07
CIRCUIT BOARD NO.		DRAWING NO.
NTSC : VEP83579A		KR30200
		SCM035

A B C D E F G H I J

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

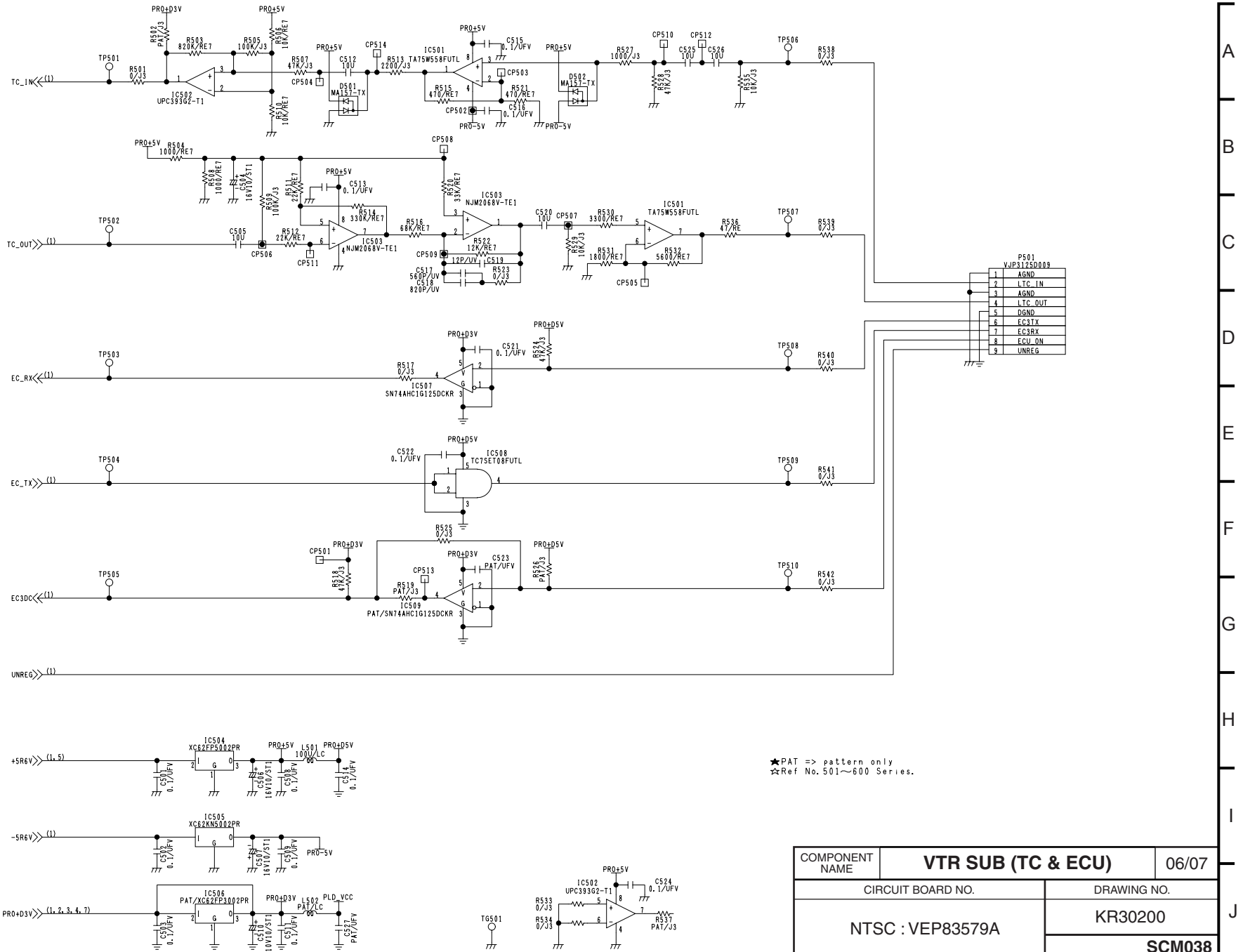

IC302
PAT/C1DB00000455
(TSB13LV21GHE:PINE++)
IC301
PAT/XC62FP3002PR
PINE_VCC
CLK24G
PINE_PWD
RST_PHY
ADDT[0-15]
VDDM
+2R2V
RD
BLW
ALE
CLKBCLK
BD[0-3]
CLK18M4
RST_DIF
SSP
FRP
TMS
TCK
TRST
TDI_DIF
+3V
+3R6V
TPA+
TPA-
TPB+
TPB-
TDO
DC
SMP
INF
CNA
★PAT => pattern only
☆Ref No. 301～400 Series.
COMPONENT NAME
VTR SUB (PINE++)
04/07
CIRCUIT BOARD NO.
DRAWING NO.
NTSC : VEP83579A
KR30200
SCM036



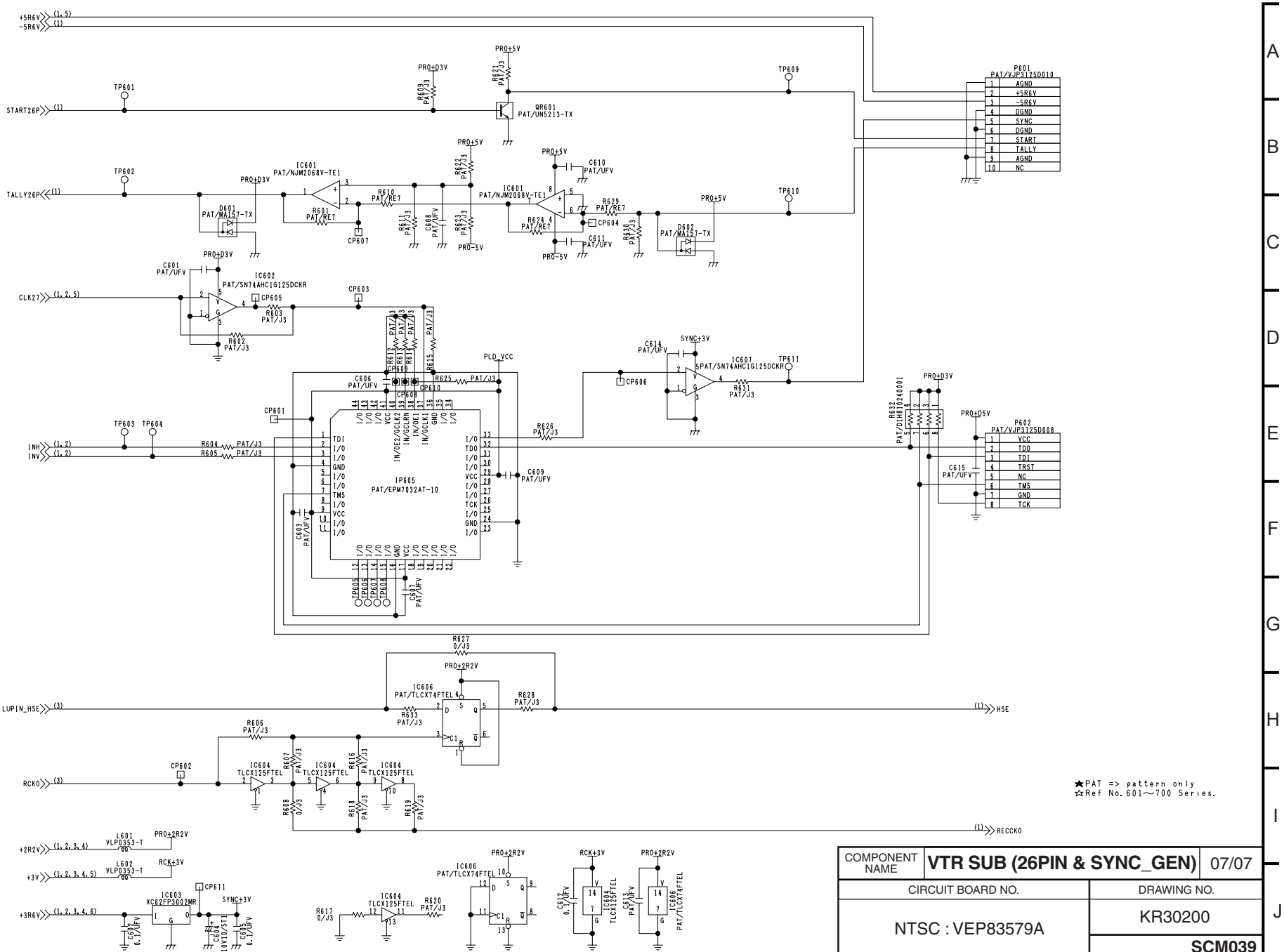
COMPONENT NAME	VTR SUB (RF&AUDIO PLL)	05/07
CIRCUIT BOARD NO.		DRAWING NO.
NTSC : VEP83579A		KR30200
		SCM037

A B C D E F G H I J

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

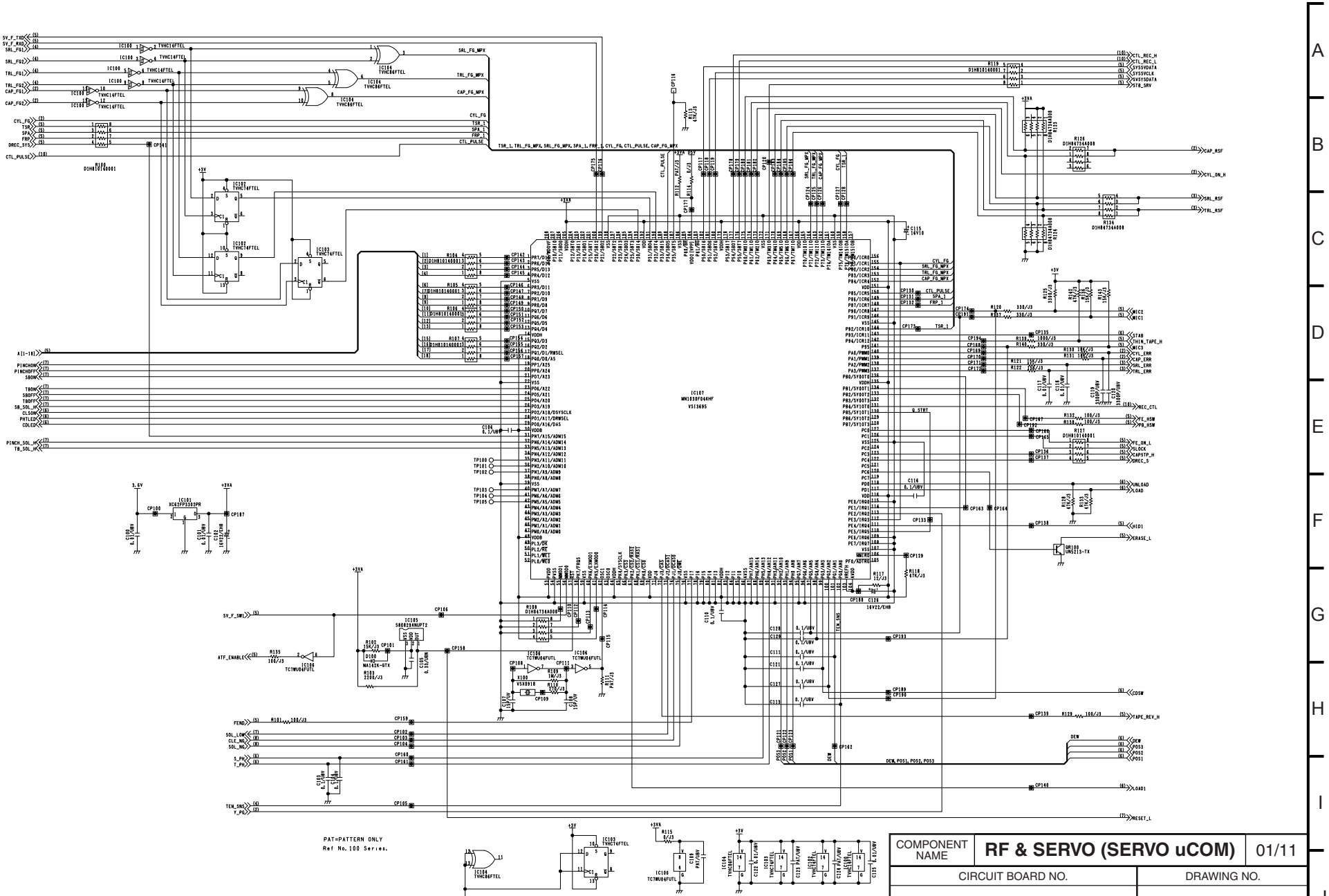


COMPONENT NAME	VTR SUB (TC & ECU)	06/07
CIRCUIT BOARD NO.		DRAWING NO.
NTSC : VEP83579A		KR30200
		SCM038



★PAT => pattern only
☆Ref No. 601～700 Series.

COMPONENT NAME	VTR SUB (26PIN & SYNC_GEN)	07/07
CIRCUIT BOARD NO.		DRAWING NO.
NTSC : VEP83579A		KR30200
		SCM039

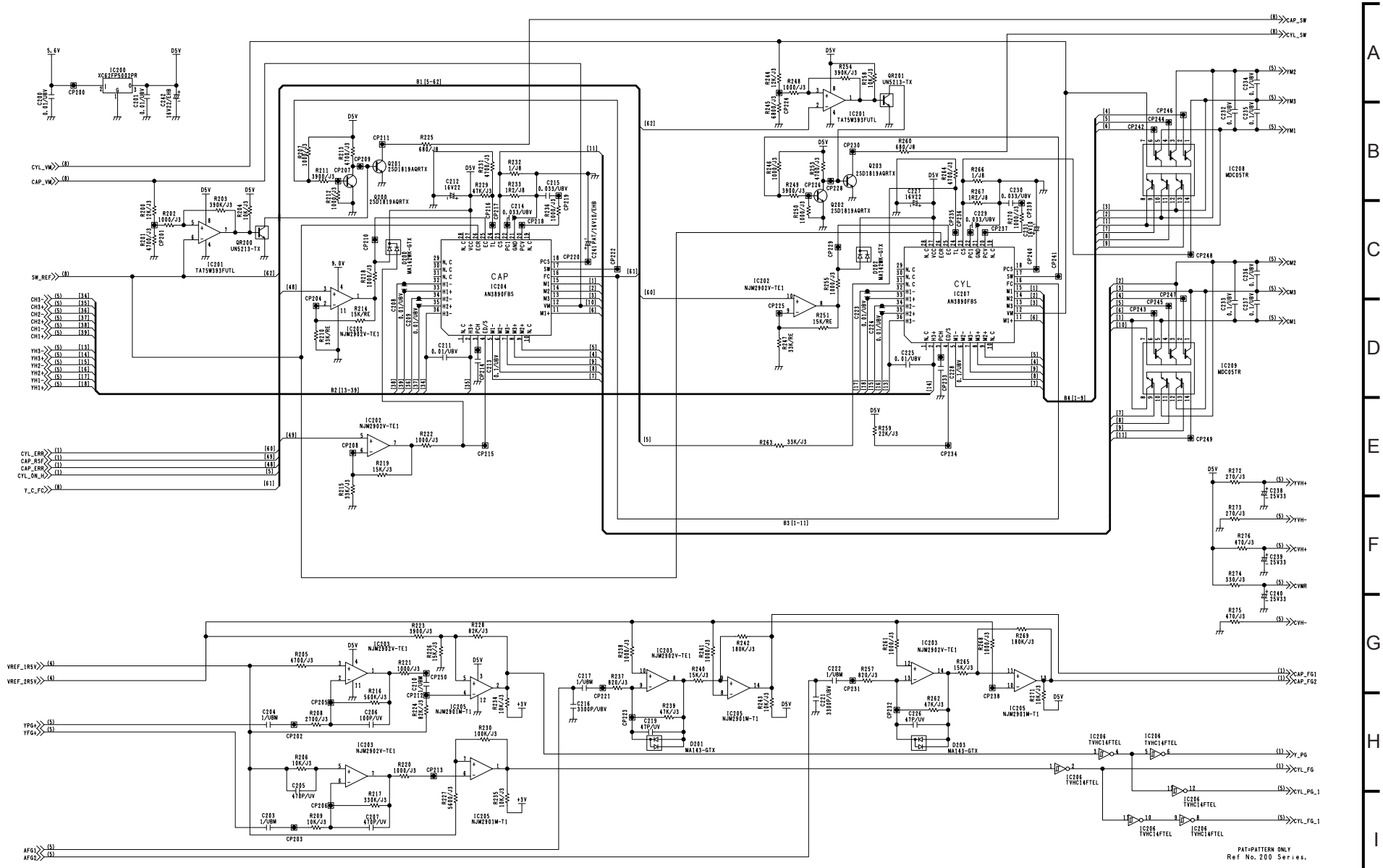


PAT=PATTERN ONLY
Ref No. 100 Series.

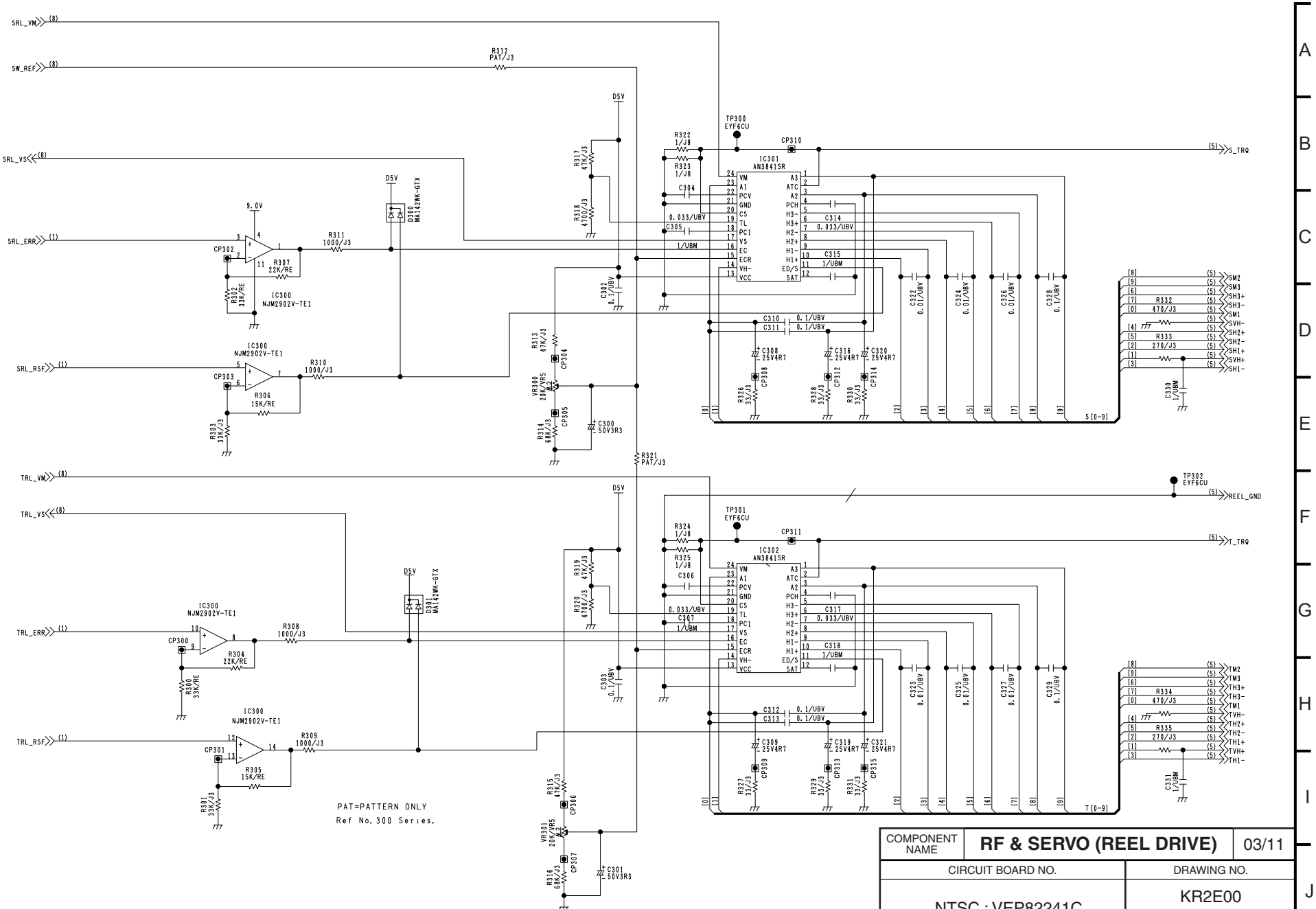
COMPONENT NAME	RF & SERVO (SERVO uCOM)	01/11
CIRCUIT BOARD NO.		DRAWING NO.
NTSC : VEP82241C		KR2E00
		SCM040

A B C D E F G H I J

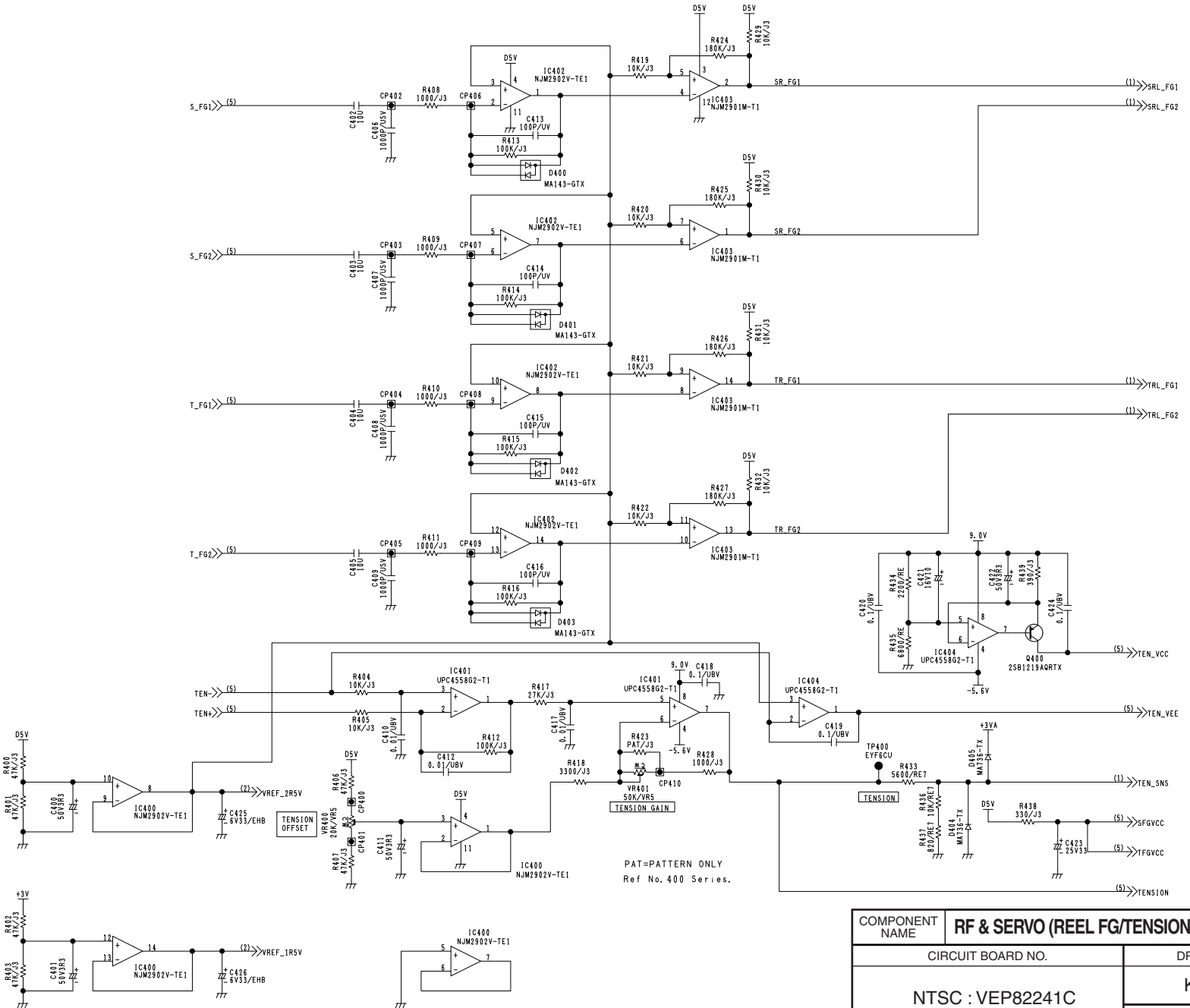
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15



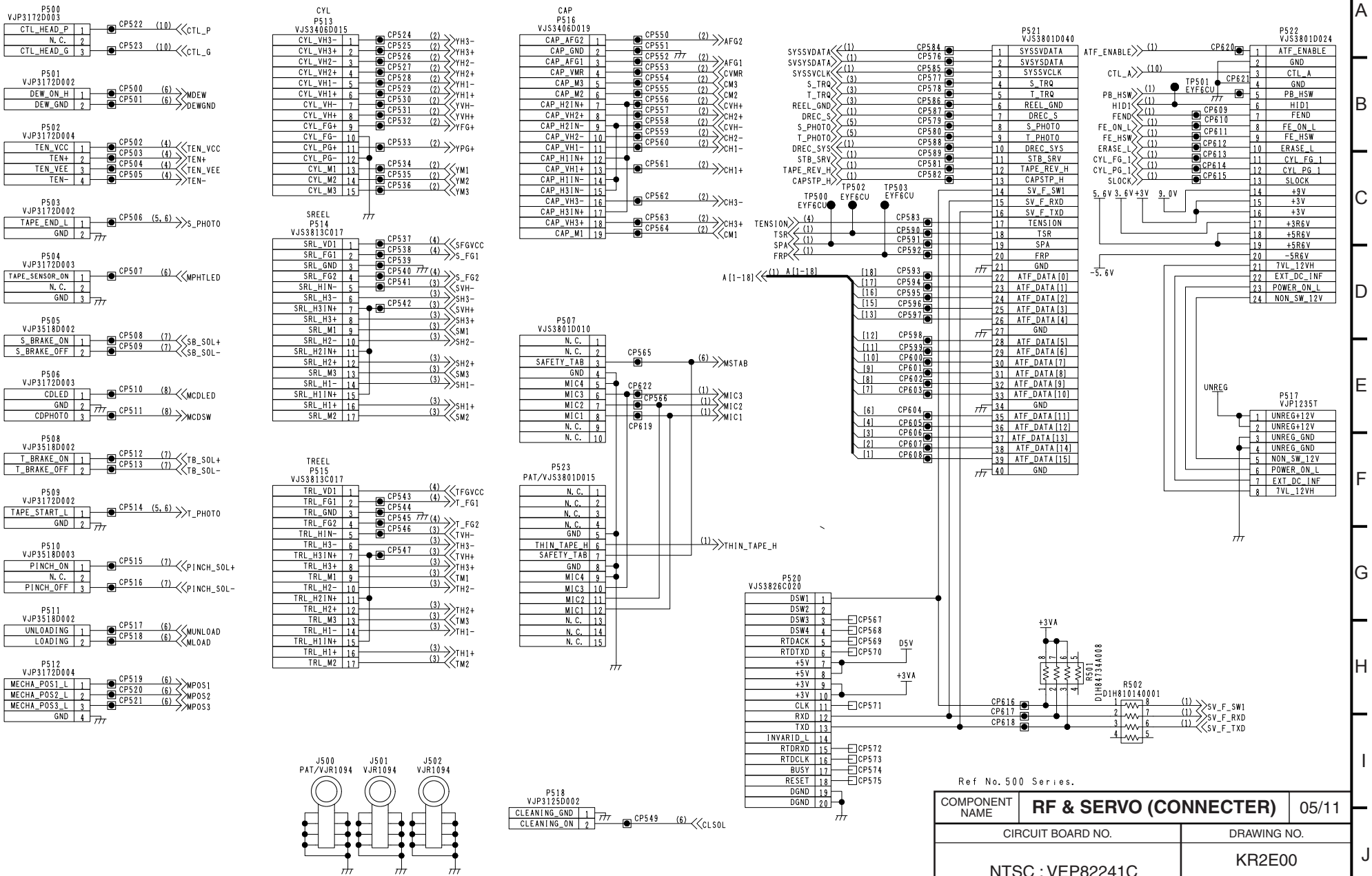
COMPONENT NAME	RF & SERVO (CYL/CAP DRIVE)	02/11
CIRCUIT BOARD NO.		DRAWING NO.
NTSC : VEP82241C		KR2E00
		SCM041

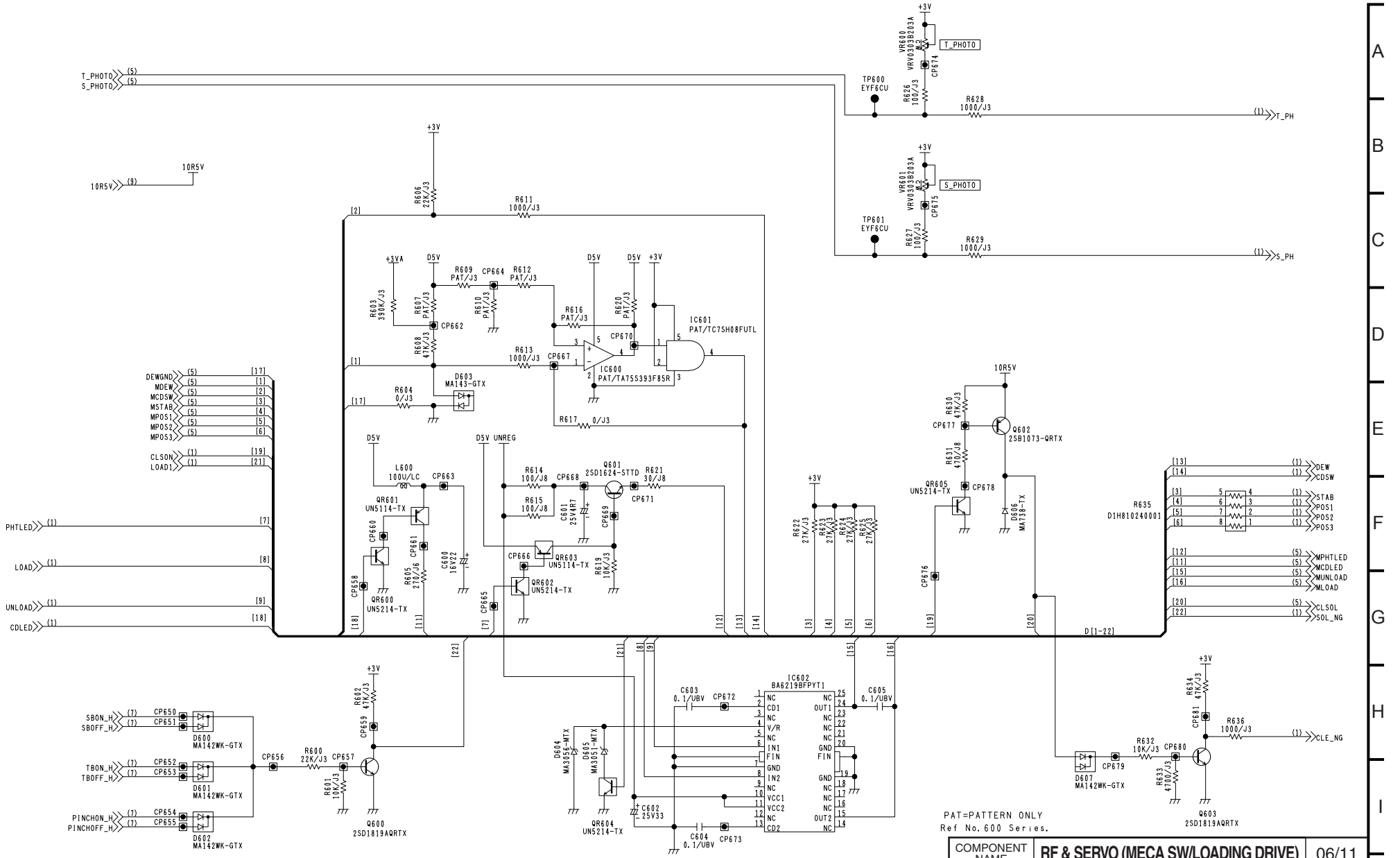


COMPONENT NAME	RF & SERVO (REEL DRIVE)	03/11
CIRCUIT BOARD NO.		DRAWING NO.
NTSC : VEP82241C		KR2E00
		SCM042

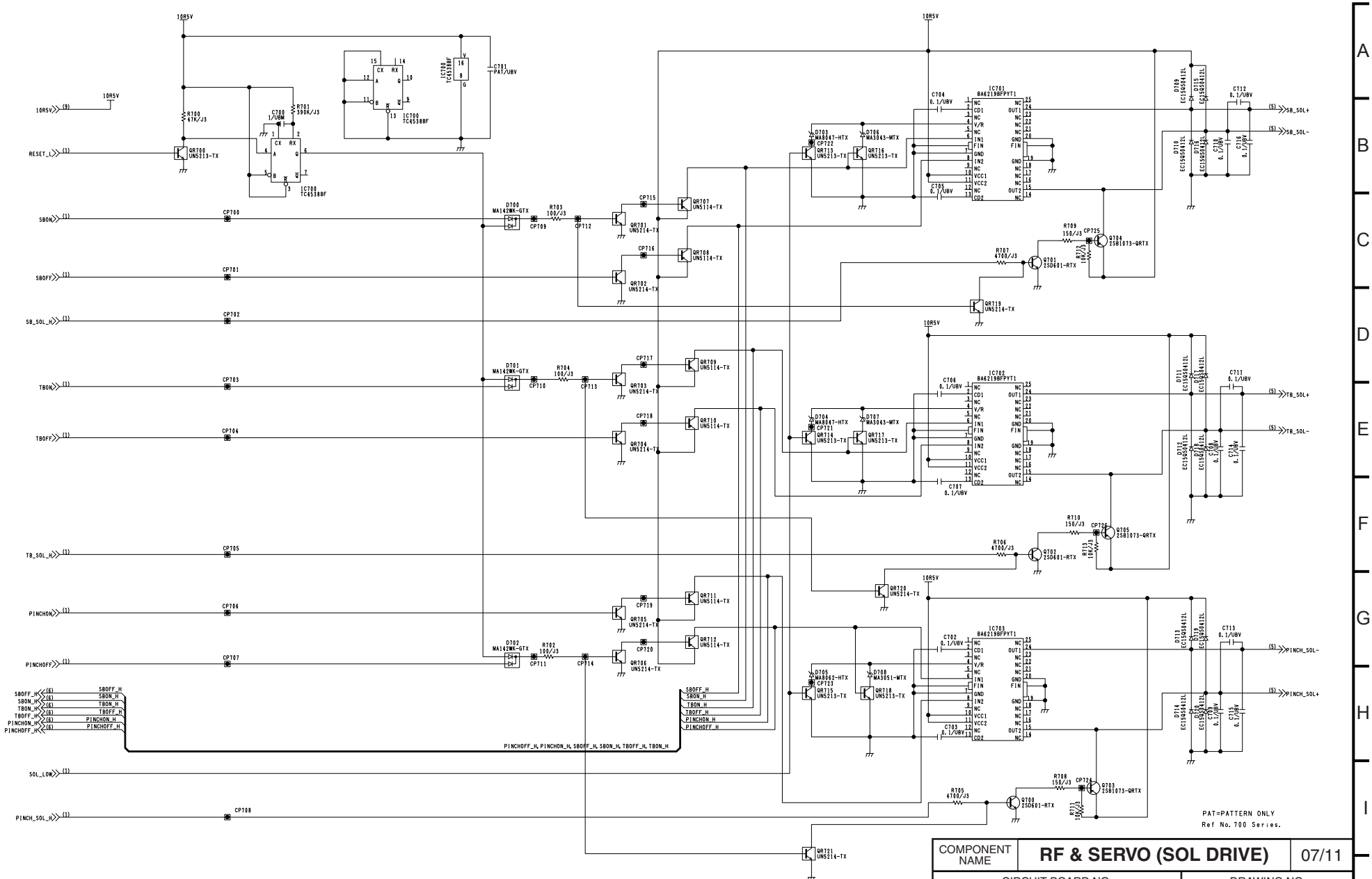


COMPONENT NAME	RF & SERVO (REEL FG/TENSION AMP)	04/11
CIRCUIT BOARD NO.		DRAWING NO.
NTSC : VEP82241C		KR2E00
		SCM043


P500 VJP3172D003
CTL_HEAD_P 1
N.C. 2
CTL_HEAD_G 3
CP522 (10) CTL_P
CP523 (10) CTL_G
P501 VJP3172D002
DEW_ON_H 1
DEW_GND 2
CP500 (6) MDEW
CP501 (6) DEWGND
P502 VJP3172D004
TEN_VCC 1
TEN+ 2
TEN_VEE 3
TEN- 4
CP502 (4) TEN_VCC
CP503 (4) TEN+
CP504 (4) TEN_VEE
CP505 (4) TEN-
P503 VJP3172D002
TAPE_END_L 1
GND 2
CP506 (5,6) S_PHOTO
P504 VJP3172D003
TAPE_SENSOR_ON 1
N.C. 2
GND 3
CP507 (6) MPHTLED
P505 VJP3518D002
S_BRAKE_ON 1
S_BRAKE_OFF 2
CP508 (7) SB_SOL+
CP509 (7) SB_SOL-
P506 VJP3172D003
CDLED 1
GND 2
CDPHOTO 3
CP510 (8) MCDLED
CP511 (8) MCDSW
P508 VJP3518D002
T_BRAKE_ON 1
T_BRAKE_OFF 2
CP512 (7) TB_SOL+
CP513 (7) TB_SOL-
P509 VJP3172D002
TAPE_START_L 1
GND 2
CP514 (5,6) T_PHOTO
P510 VJP3518D003
PINCH_ON 1
N.C. 2
PINCH_OFF 3
CP515 (7) PINCH_SOL+
CP516 (7) PINCH_SOL-
P511 VJP3518D002
UNLOADING 1
LOADING 2
CP517 (6) MUNLOAD
CP518 (6) MLOAD
P512 VJP3172D004
MECHA_POS1_L 1
MECHA_POS2_L 2
MECHA_POS3_L 3
GND 4
CP519 (6) MPOS1
CP520 (6) MPOS2
CP521 (6) MPOS3
CYL P513 VJS3406D015
CYL_VH3- 1
CYL_VH3+ 2
CYL_VH2- 3
CYL_VH2+ 4
CYL_VH1- 5
CYL_VH1+ 6
CYL_VH- 7
CYL_VH+ 8
CYL_FG+ 9
CYL_FG- 10
CYL_PG+ 11
CYL_PG- 12
CYL_M1 13
CYL_M2 14
CYL_M3 15
CP524 (2) YH3-
CP525 (2) YH3+
CP526 (2) YH2-
CP527 (2) YH2+
CP528 (2) YH1-
CP529 (2) YH1+
CP530 (2) YVH-
CP531 (2) YVH+
CP532 (2) YFG+
CP533 (2) YPG+
CP534 (2) YM1
CP535 (2) YM2
CP536 (2) YM3
SREEL P514 VJS3813C017
SRL_VD1 1
SRL_FG1 2
SRL_GND 3
SRL_FG2 4
SRL_H1N- 5
SRL_H3- 6
SRL_H3IN+ 7
SRL_H3+ 8
SRL_M1 9
SRL_H2- 10
SRL_H2IN+ 11
SRL_H2+ 12
SRL_M3 13
SRL_H1- 14
SRL_H1IN+ 15
SRL_H1+ 16
SRL_M2 17
CP537 (4) SFGVCC
CP538 (4) S_FG1
CP539
CP540 (4) S_FG2
CP541 (3) SVH-
(3) SH3-
CP542 (3) SVH+
(3) SH3+
(3) SM1
(3) SH2-
(3) SH2+
(3) SM3
(3) SH1-
(3) SH1+
(3) SM2
TREEL P515 VJS3813C017
TRL_VD1 1
TRL_FG1 2
TRL_GND 3
TRL_FG2 4
TRL_H1N- 5
TRL_H3- 6
TRL_H3IN+ 7
TRL_H3+ 8
TRL_M1 9
TRL_H2- 10
TRL_H2IN+ 11
TRL_H2+ 12
TRL_M3 13
TRL_H1- 14
TRL_H1IN+ 15
TRL_H1+ 16
TRL_M2 17
(4) TFGVCC
CP543 (4) T_FG1
CP544
CP545 (4) T_FG2
CP546 (3) TVH-
(3) TH3-
CP547 (3) TVH+
(3) TH3+
(3) TM1
(3) TH2-
(3) TH2+
(3) TM3
(3) TH1-
(3) TH1+
(3) TM2
J500 PAT/VJR1094
J501 VJR1094
J502 VJR1094
CAP P516 VJS3406D019
CAP_AFG2 1
CAP_GND 2
CAP_AFG1 3
CAP_VMR 4
CAP_M3 5
CAP_M2 6
CAP_H2IN+ 7
CAP_VH2+ 8
CAP_H2IN- 9
CAP_VH2- 10
CAP_VH1- 11
CAP_H1IN+ 12
CAP_VH1+ 13
CAP_H1IN- 14
CAP_H3IN- 15
CAP_VH3- 16
CAP_H3IN+ 17
CAP_VH3+ 18
CAP_M1 19
CP550 (2) AFG2
CP551
CP552 (2) AFG1
CP553 (2) CVMR
CP554 (2) CM3
CP555 (2) CM2
CP556 (2) CVH+
CP557 (2) CH2+
CP558 (2) CVH-
CP559 (2) CH2-
CP560 (2) CH1-
CP561 (2) CH1+
CP562 (2) CH3-
CP563 (2) CH3+
CP564 (2) CM1
P507 VJS3801D010
N.C. 1
N.C. 2
SAFETY_TAB 3
GND 4
MIC4 5
MIC3 6
MIC2 7
MIC1 8
N.C. 9
N.C. 10
CP565 (6) MSTAB
CP622
CP566 (1) MIC3
(1) MIC2
(1) MIC1
CP619
P523 PAT/VJS3801D015
N.C. 1
N.C. 2
N.C. 3
N.C. 4
GND 5
THIN_TAPE_H 6
SAFETY_TAB 7
GND 8
MIC4 9
MIC3 10
MIC2 11
MIC1 12
N.C. 13
N.C. 14
N.C. 15
(1) THIN_TAPE_H
P518 VJP3125D002
CLEANING_GND 1
CLEANING_ON 2
CP549 (6) CLSOL
P520 VJS3826C020
DSW1 1
DSW2 2
DSW3 3
DSW4 4
RTDACK 5
RTDTXD 6
+5V 7
+5V 8
+3V 9
+3V 10
CLK 11
RXD 12
TXD 13
INVARID_L 14
RTDRXD 15
RTDCLK 16
BUSY 17
RESET 18
DGND 19
DGND 20
CP567
CP568
CP569
CP570
D5V
+3VA
CP571
CP572
CP573
CP574
CP575
P521 VJS3801D040
SYSSVDATA 1
SVSYSDATA 2
SYSSVCLK 3
S_TRQ 4
T_TRQ 5
REEL_GND 6
DREC_S 7
S_PHOTO 8
T_PHOTO 9
DREC_SYS 10
STB_SRV 11
TAPE_REV_H 12
CAPSTP_H 13
SV_F_SW1 14
SV_F_RXD 15
SV_F_TXD 16
TENSION 17
TSR 18
SPA 19
FRP 20
GND 21
ATF_DATA[0] 22
ATF_DATA[1] 23
ATF_DATA[2] 24
ATF_DATA[3] 25
ATF_DATA[4] 26
GND 27
ATF_DATA[5] 28
ATF_DATA[6] 29
ATF_DATA[7] 30
ATF_DATA[8] 31
ATF_DATA[9] 32
ATF_DATA[10] 33
GND 34
ATF_DATA[11] 35
ATF_DATA[12] 36
ATF_DATA[13] 37
ATF_DATA[14] 38
ATF_DATA[15] 39
GND 40
CP584 CP576 CP585 CP577 CP578 CP586 CP587 CP579 CP580 CP588 CP589 CP581 CP582
TP500 EYF6CU
TP502 EYF6CU
TP503 EYF6CU
TENSION TSR SPA FRP
CP583 CP590 CP591 CP592
A[1-18]
CP593 CP594 CP595 CP596 CP597 CP598 CP599 CP600 CP601 CP602 CP603 CP604 CP605 CP606 CP607 CP608
P522 VJS3801D024
ATF_ENABLE 1
GND 2
CTL_A 3
GND 4
PB_HSW 5
HID1 6
FEND 7
FE_ON_L 8
FE_HSW 9
ERASE_L 10
CYL_FG_1 11
CYL_PG_1 12
SLOCK 13
+9V 14
+3V 15
+3V 16
+3R6V 17
+5R6V 18
+5R6V 19
-5R6V 20
7VL_12VH 21
EXT_DC_INF 22
POWER_ON_L 23
NON_SW_12V 24
ATF_ENABLE (1) CP620
CTL_A (10)
TP501 EYF6CU CP621
PB_HSW (1) CP609
HID1 (1) CP610
FEND (1) CP611
FE_ON_L (1) CP612
FE_HSW (1) CP613
ERASE_L (1) CP614
CYL_FG_1 (1) CP615
CYL_PG_1 (1)
SLOCK (1)
5.6V 3.6V +3V 9.0V
-5.6V
UNREG
P517 VJP1235T
UNREG+12V 1
UNREG+12V 2
UNREG_GND 3
UNREG_GND 4
NON_SW_12V 5
POWER_ON_L 6
EXT_DC_INF 7
7VL_12VH 8
+3VA
R501 D1H847344A008
R502 D1H810140001
CP616 CP617 CP618
(1) SV_F_SW1
(1) SV_F_RXD
(1) SV_F_TXD
Ref No. 500 Series.
COMPONENT NAME
RF & SERVO (CONNECTER)
05/11
CIRCUIT BOARD NO.
NTSC : VEP82241C
DRAWING NO.
KR2E00
SCM044
A B C D E F G H I J
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15



COMPONENT NAME	RF & SERVO (MECA SW/LOADING DRIVE)	06/11
CIRCUIT BOARD NO.		DRAWING NO.
NTSC : VEP82241C		KR2E00
		SCM045

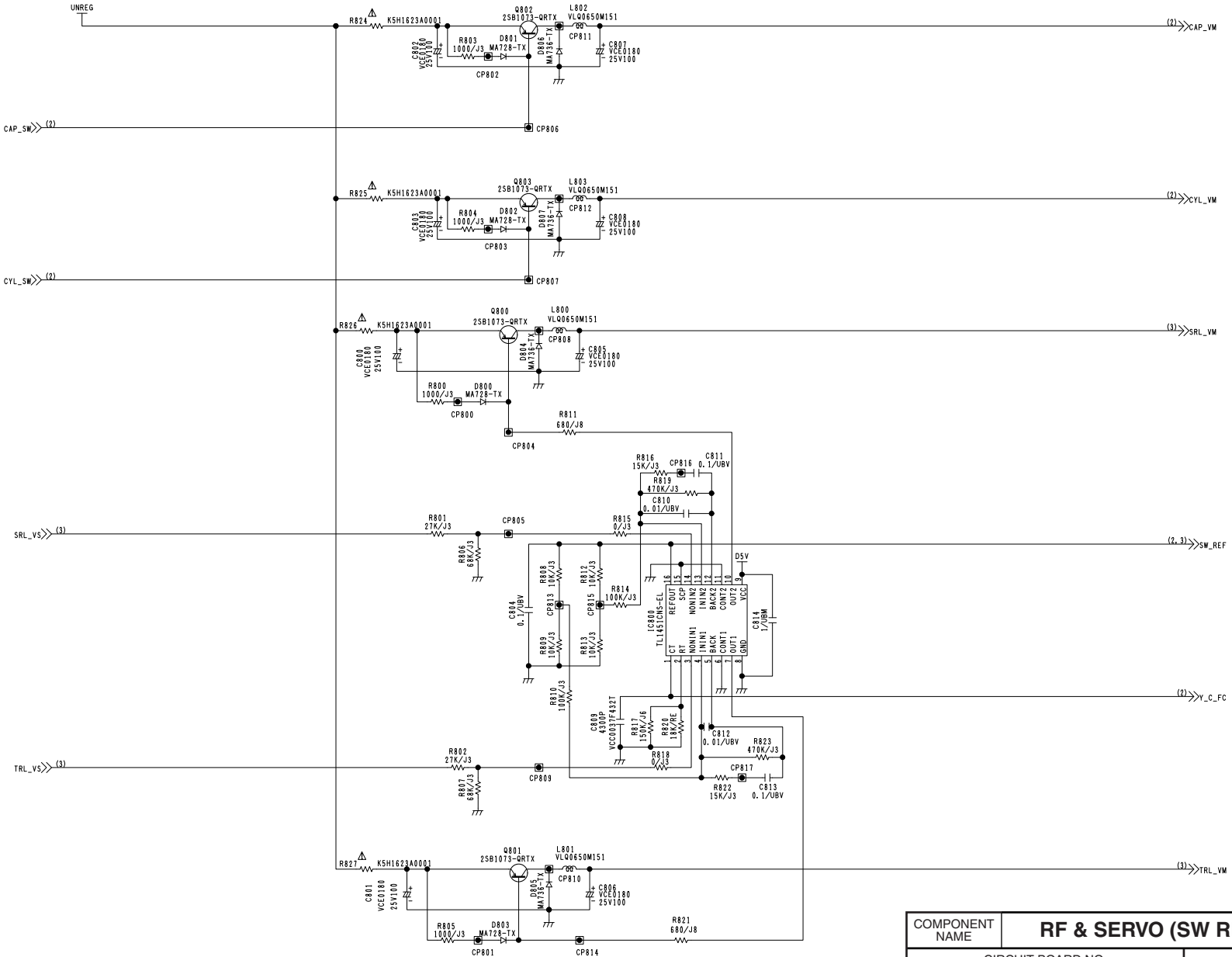


PAT=PATTERN ONLY
Ref No. 700 Series.

COMPONENT NAME	RF & SERVO (SOL DRIVE)	07/11
CIRCUIT BOARD NO.		DRAWING NO.
NTSC : VEP82241C		KR2E00
		SCM046

A B C D E F G H I J

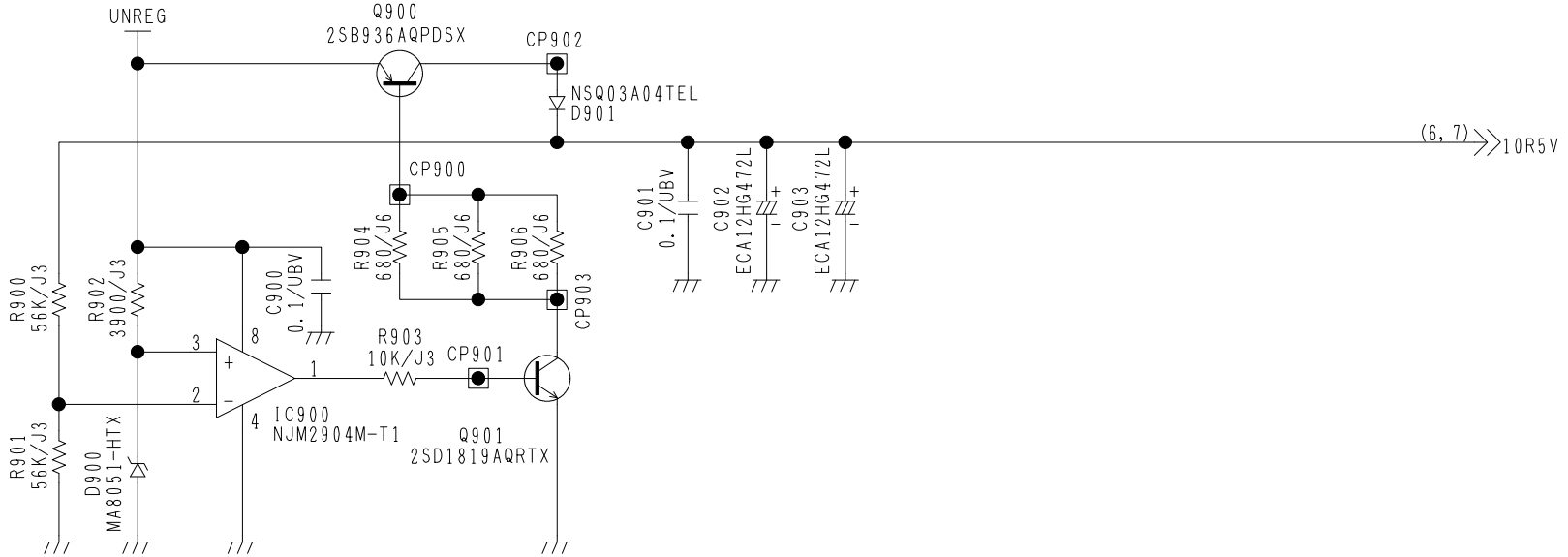
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

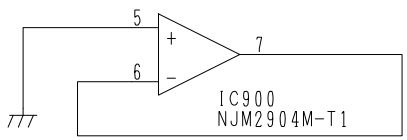


COMPONENT NAME	RF & SERVO (SW REG)	08/11
CIRCUIT BOARD NO.		DRAWING NO.
NTSC : VEP82241C		KR2E00
		SCM047

A B C D E F G H I J

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

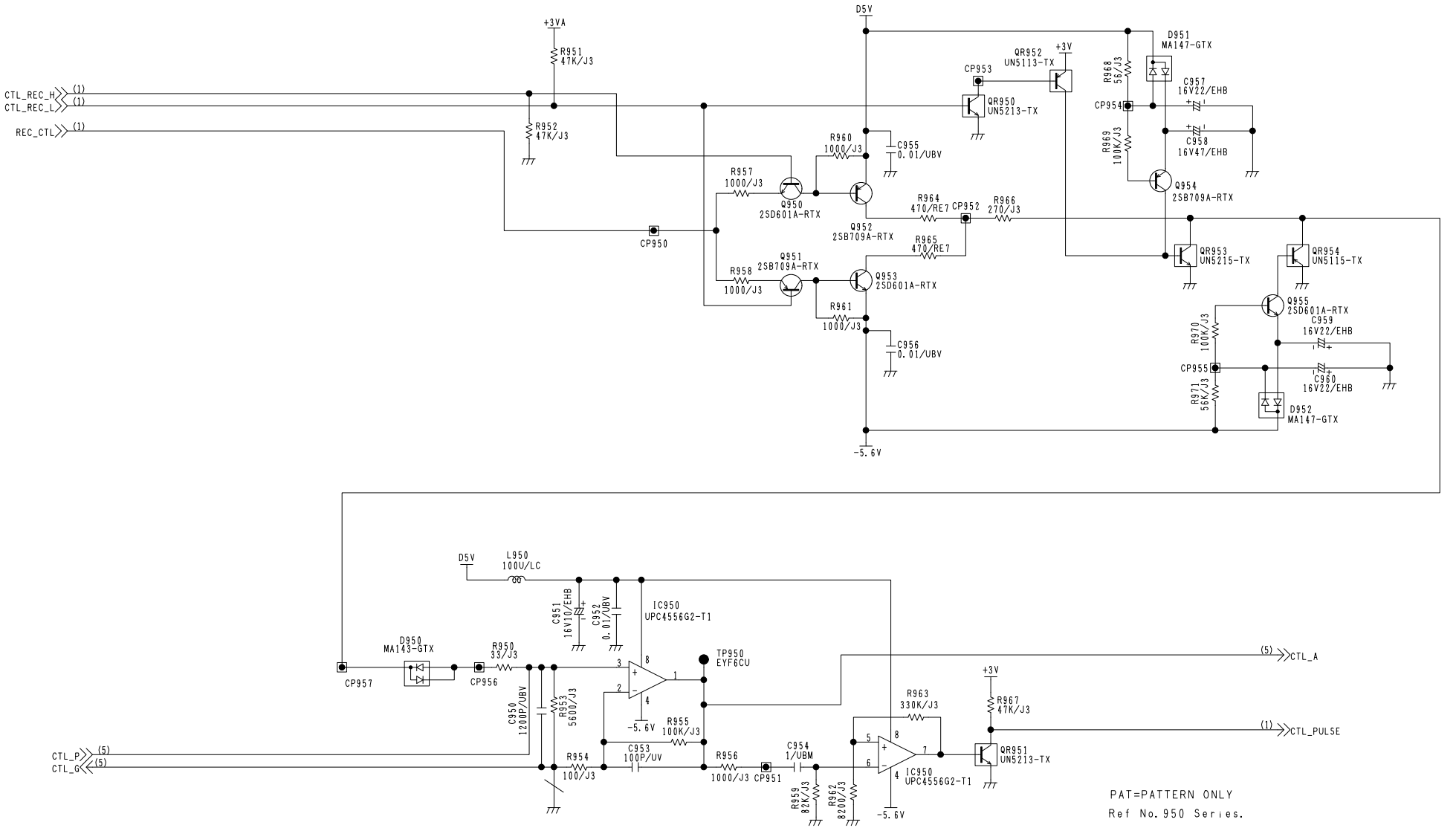




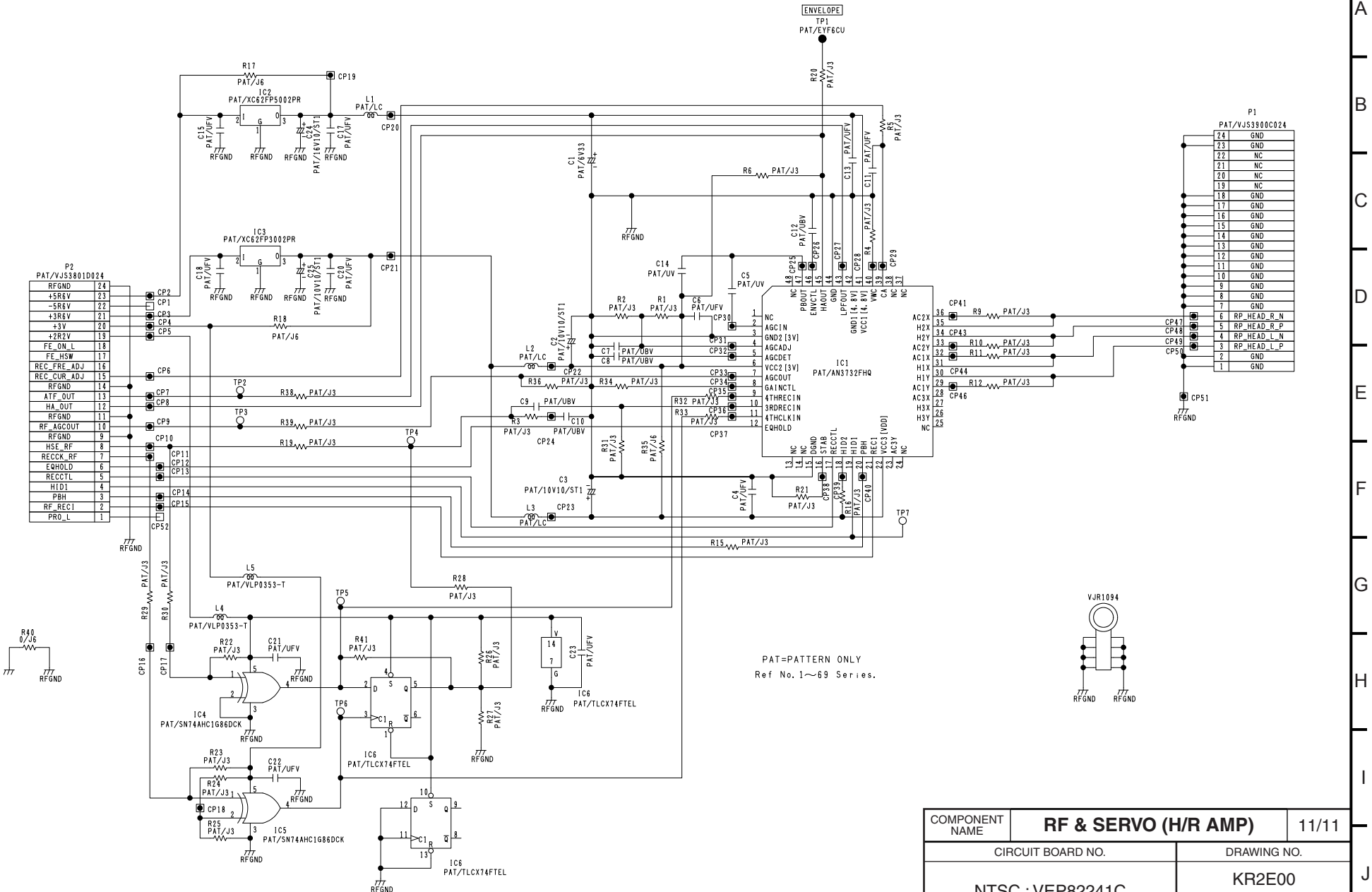
COMPONENT NAME	RF & SERVO (SOL POWER)	09/11
CIRCUIT BOARD NO.		DRAWING NO.
NTSC : VEP82241C		KR2E00
		SCM048

A B C D E F G H I J

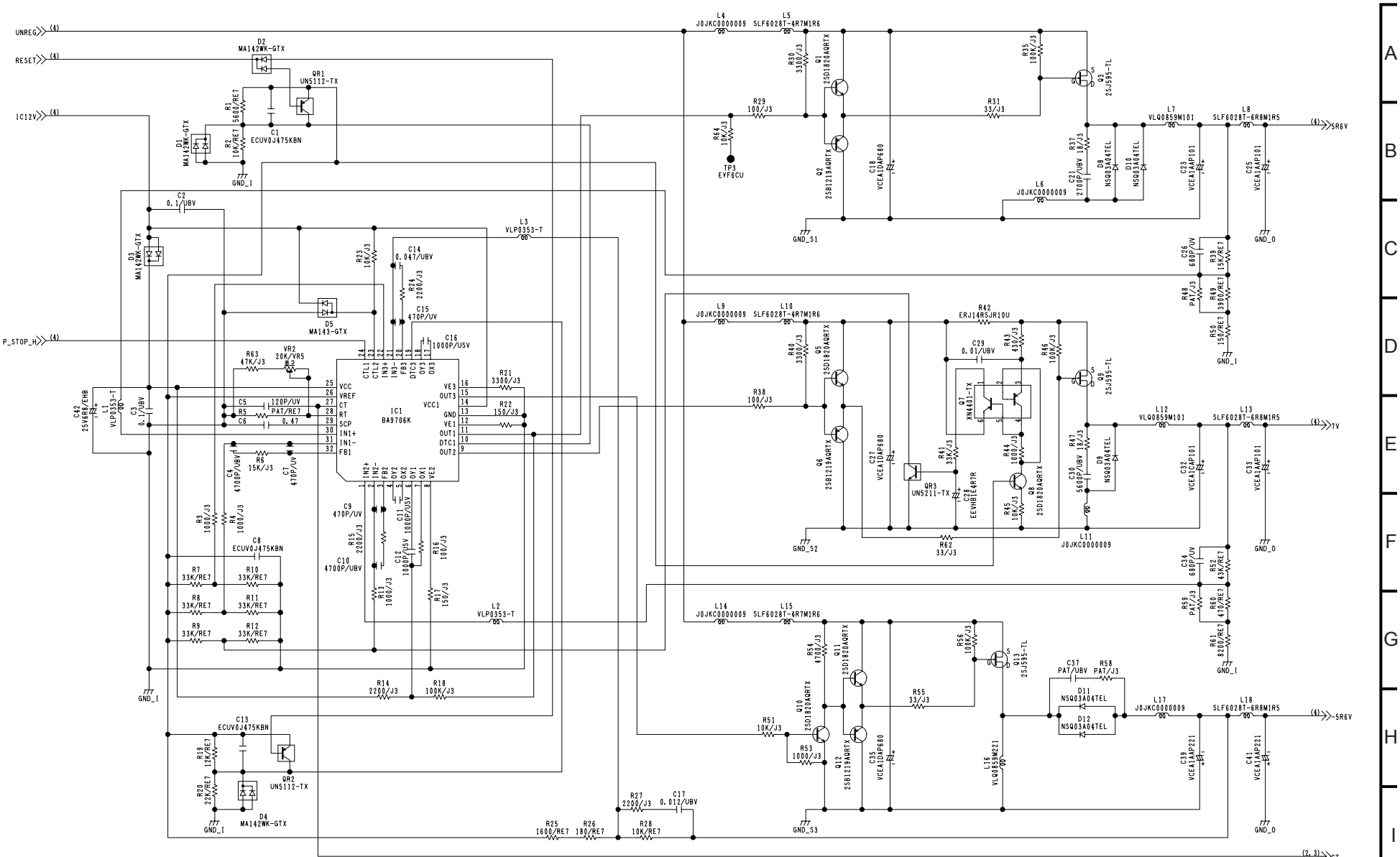
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15



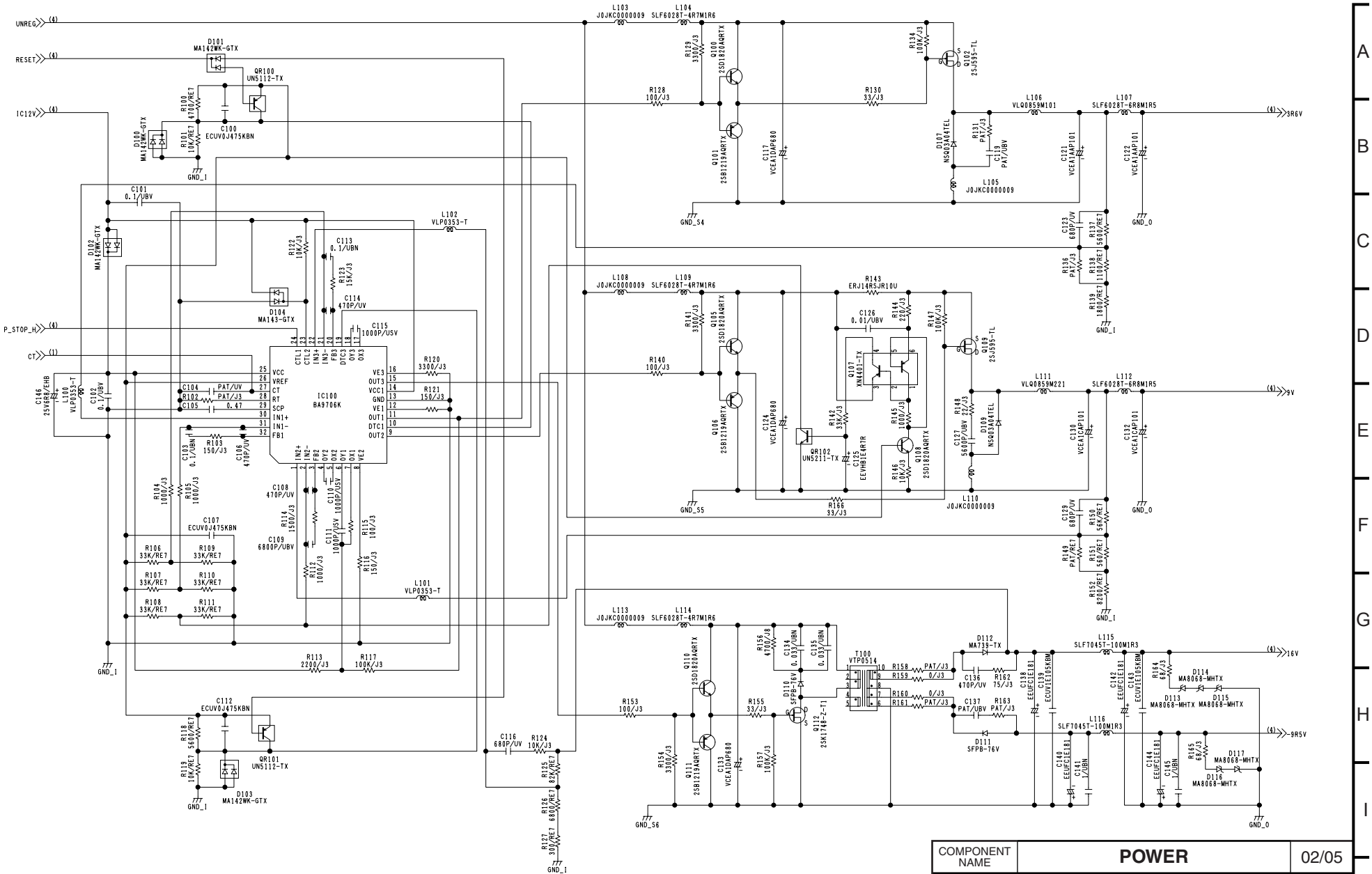
COMPONENT NAME	RF & SERVO (CTL AMP)	10/11
CIRCUIT BOARD NO.		DRAWING NO.
NTSC : VEP82241C		KR2E00
		SCM049



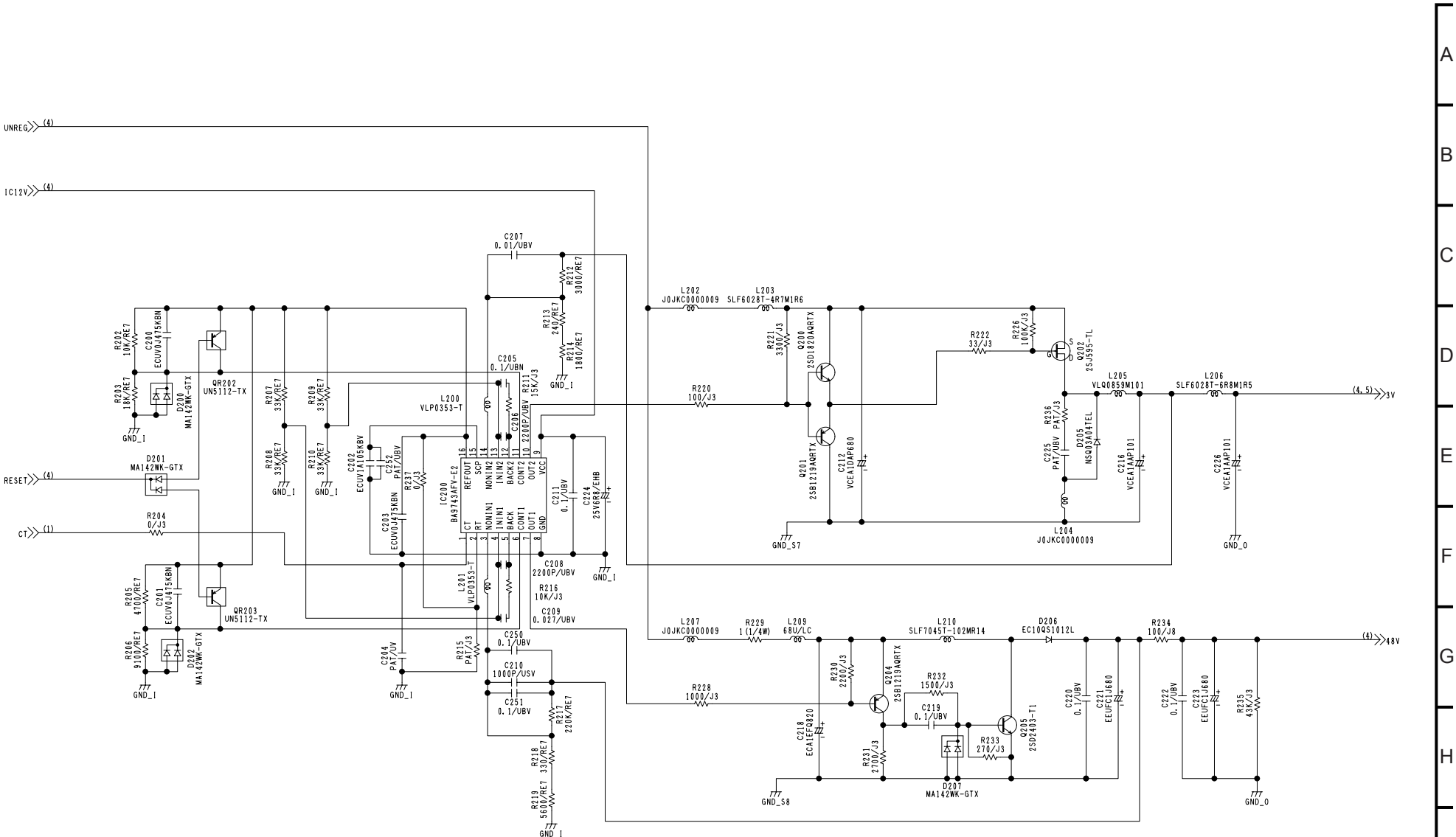
COMPONENT NAME	**RF & SERVO (H/R AMP)**	11/11
CIRCUIT BOARD NO.		DRAWING NO.
NTSC : VEP82241C		KR2E00
		SCM050



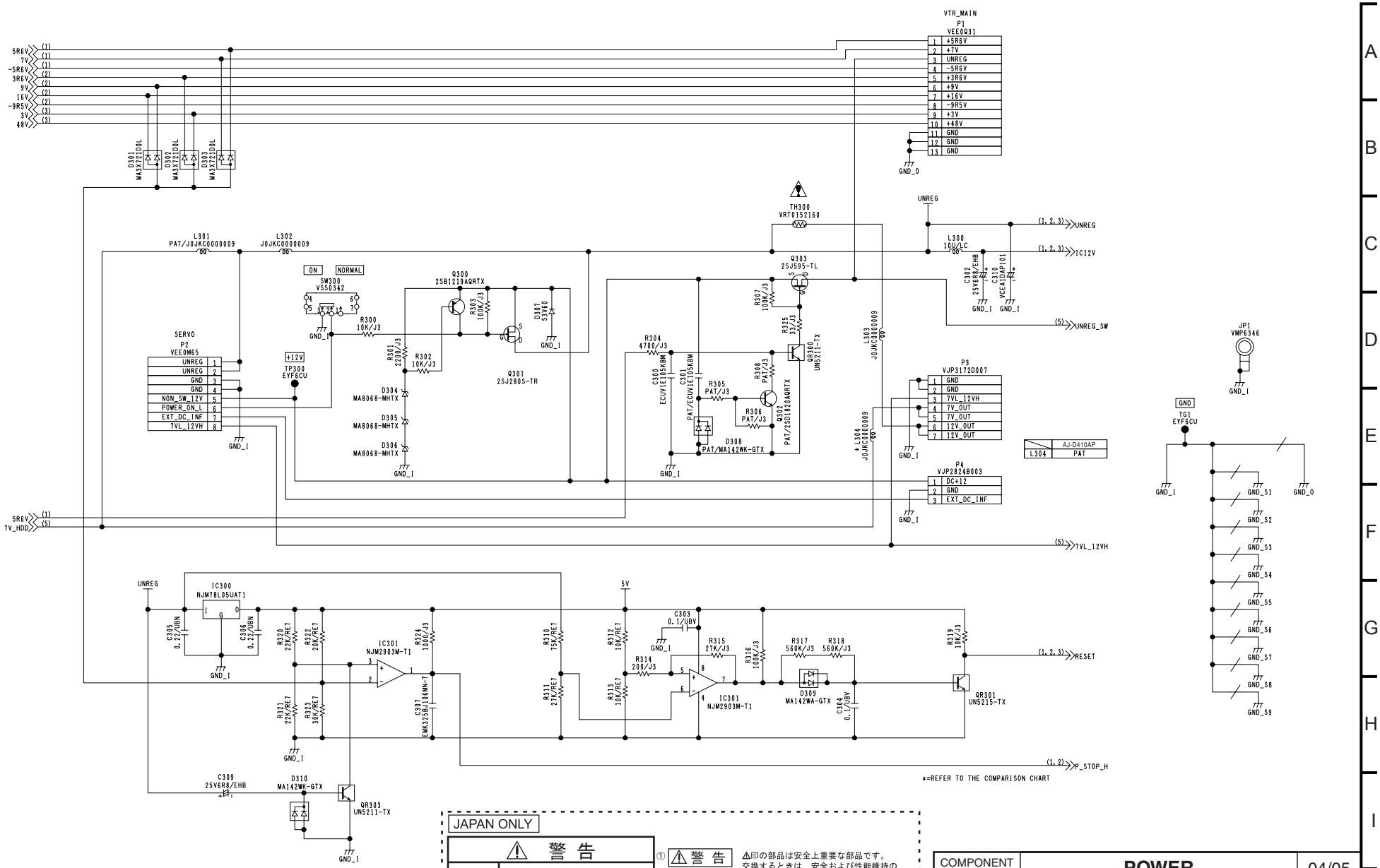
COMPONENT NAME	**POWER**	01/05
CIRCUIT BOARD NO.	DRAWING NO.	
NTSC : VEP81220C	KR1E83-1	
	SCM051	



COMPONENT NAME	**POWER**	02/05
CIRCUIT BOARD NO.		DRAWING NO.
NTSC : VEP81220C		KR1E83-1
		SCM052



COMPONENT NAME	POWER	03/05
CIRCUIT BOARD NO.		DRAWING NO.
NTSC : VEP81220C		KR1E83-1
		SCM053



CAUTION

THE '⎍' MARK INDICATES THE PRIMARY CIRCUIT TO DISTINGUISH THE PRIMARY FROM THE SECONDARY CIRCUIT. PAY ATTENTION NOT TO RECEIVE AN ELECTRIC SHOCK DURING REPAIR AND SERVICE OF THE PRODUCTS.

IMPORTANT SAFETY NOTICE:

Components identified with the mark ⚠ have the special characteristics for safety.
When replacing any of these components, use only the same type.

JAPAN ONLY

⚠ 警 告

感電注意

ＡＣ100Vの加わっている活電部（充電部、活電部）に直接触れないでください。

☞感電ややけどの可能性があります。

① ⚠警 告 ⚠印の部品は安全上重要な部品です。交換するときは、安全および性能維持のため必ず指定の部品をご使用ください。

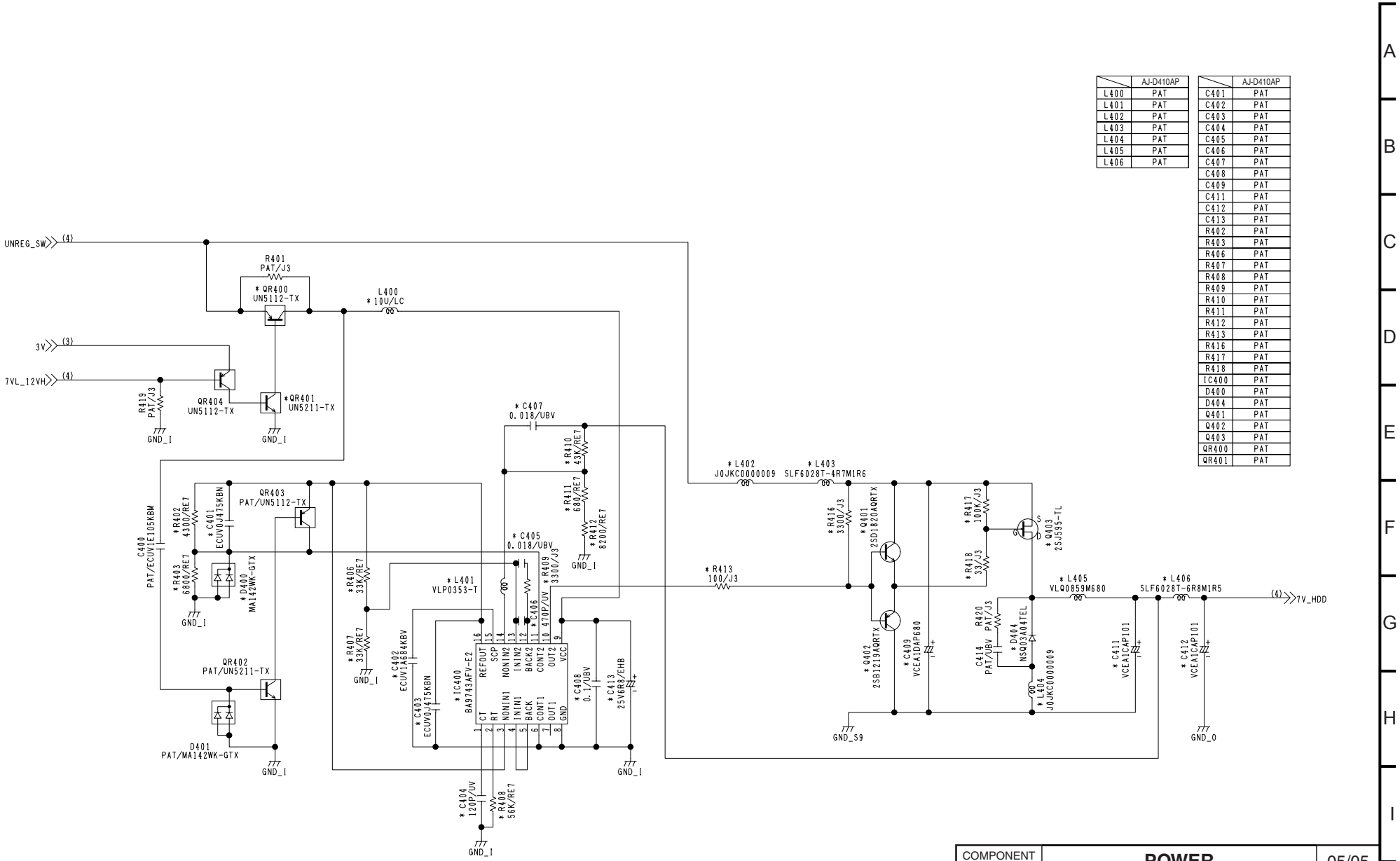
② ⋯⋯ 内は充電部です。ＡＣ100Vが加わっておりますので点検・修理のときは感電しないよう充分ご注意下さい。

③ 部品交換時には、電源プラグをぬいてから行なってください。

④ 一次側（充電部）の電圧・波形は、一次側アースを基準に測定してください。

⑤ 部品品番は、部品価格表で確認の上交換ください。

COMPONENT NAME	POWER	04/05
CIRCUIT BOARD NO.		DRAWING NO.
NTSC : VEP81220C		KR1E83-1
		SCM054

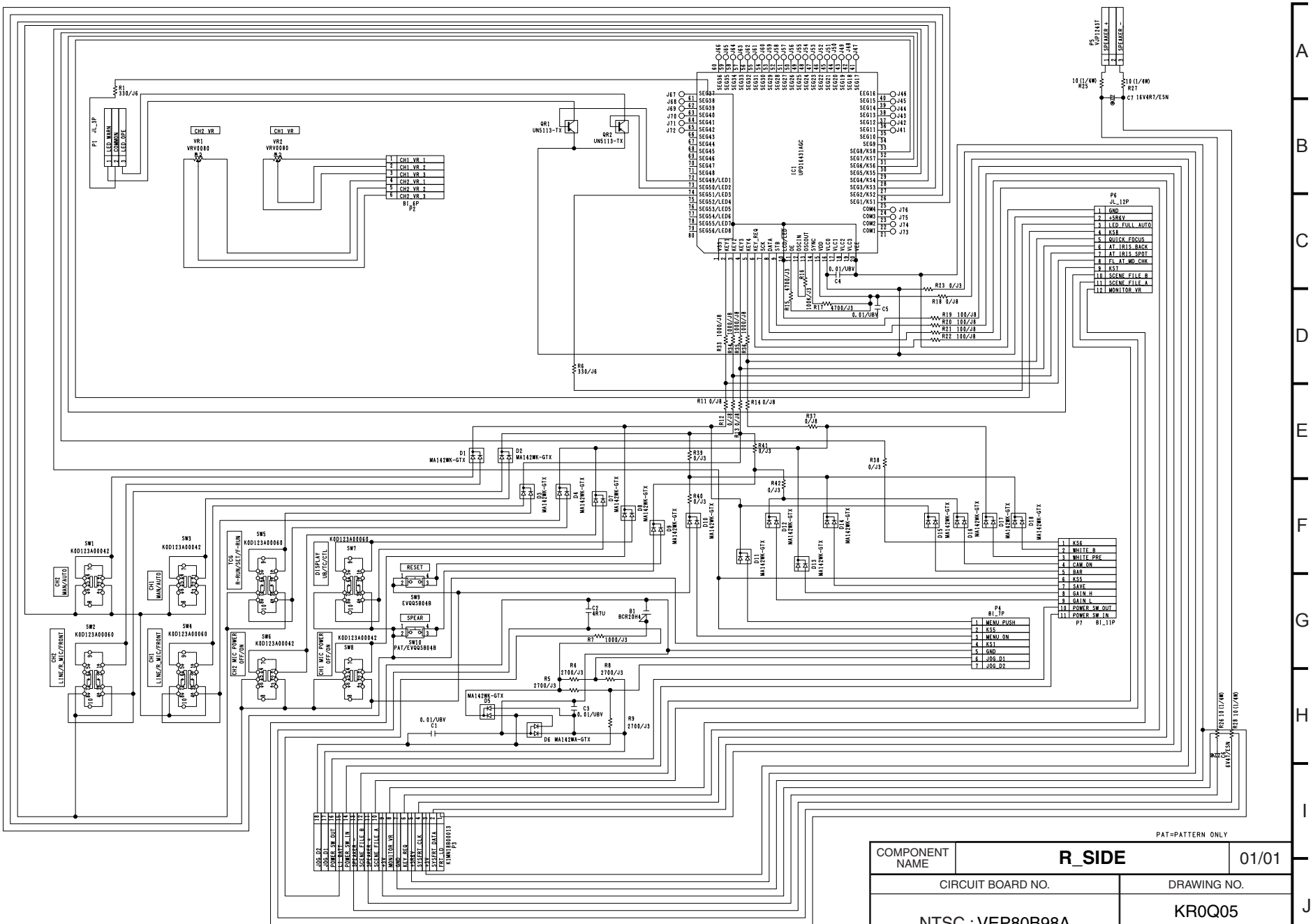


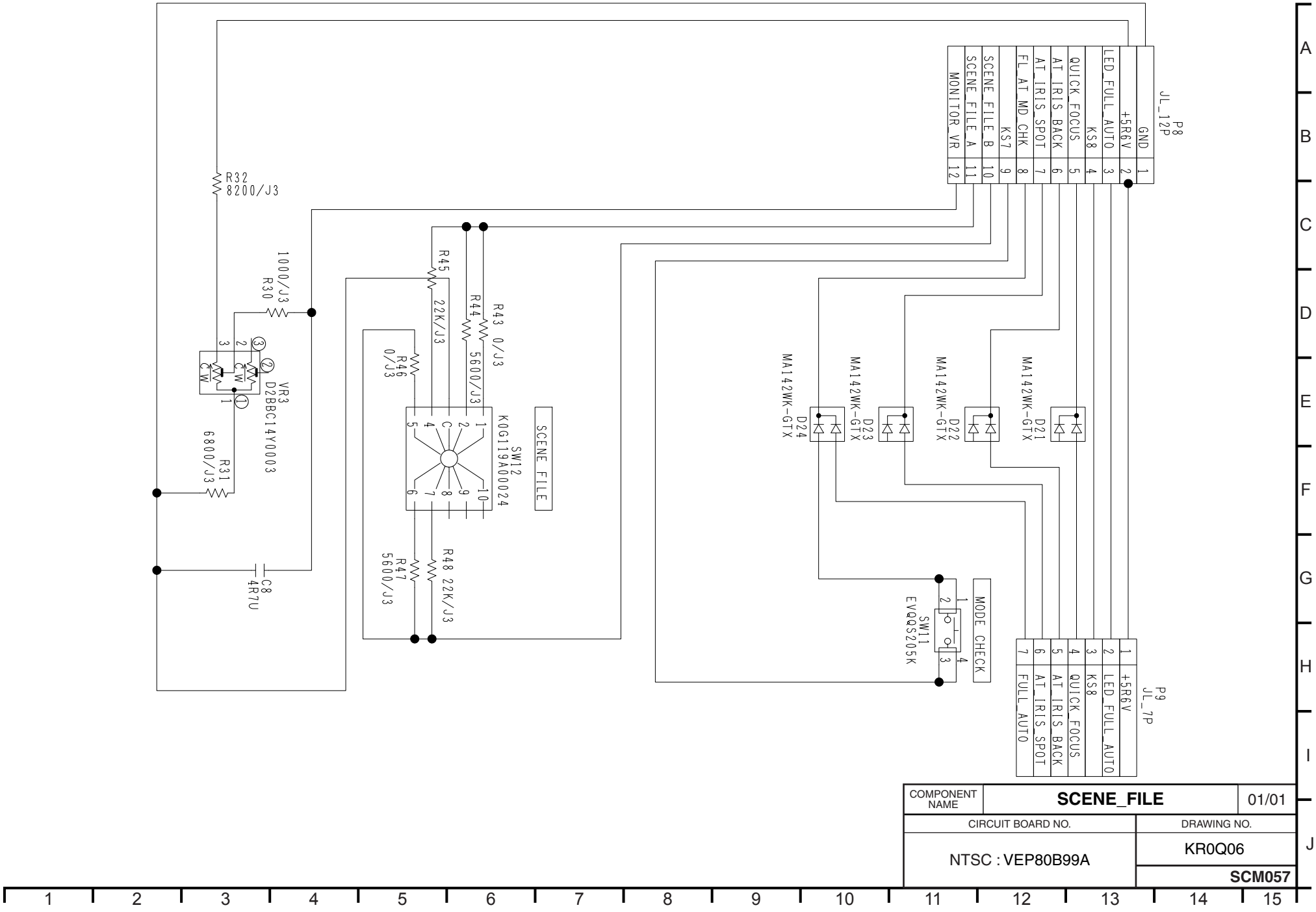
*=REFER TO THE COMPARISON CHART

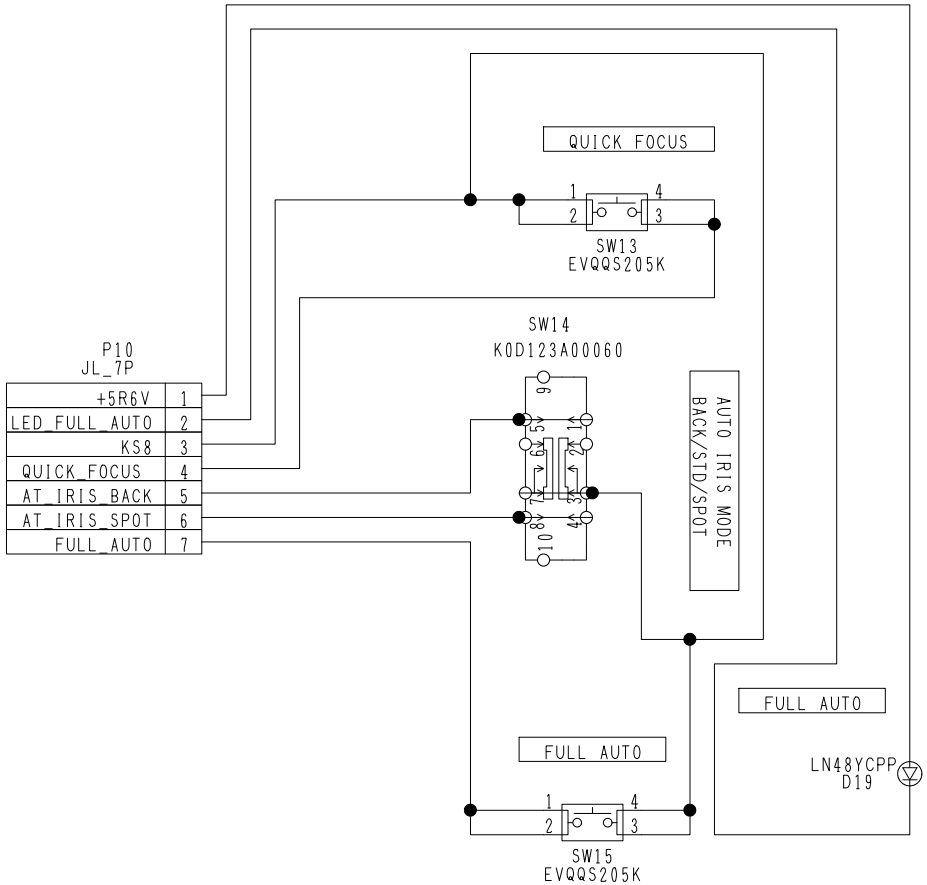
	AJ-D410AP
L400	PAT
L401	PAT
L402	PAT
L403	PAT
L404	PAT
L405	PAT
L406	PAT

	AJ-D410AP
C401	PAT
C402	PAT
C403	PAT
C404	PAT
C405	PAT
C406	PAT
C407	PAT
C408	PAT
C409	PAT
C411	PAT
C412	PAT
C413	PAT
R402	PAT
R403	PAT
R406	PAT
R407	PAT
R408	PAT
R409	PAT
R410	PAT
R411	PAT
R412	PAT
R413	PAT
R416	PAT
R417	PAT
R418	PAT
IC400	PAT
D400	PAT
D404	PAT
Q401	PAT
Q402	PAT
Q403	PAT
QR400	PAT
QR401	PAT

COMPONENT NAME	**POWER**	05/05
CIRCUIT BOARD NO.		DRAWING NO.
NTSC : VEP81220C		KR1E83-1
		SCM055

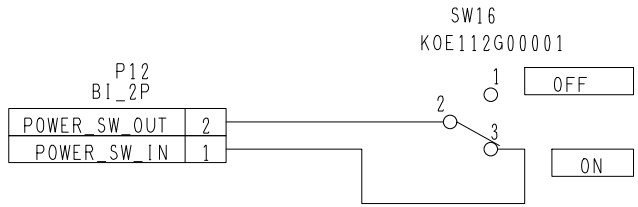

PAT=PATTERN ONLY
COMPONENT NAME
R_SIDE
01/01
CIRCUIT BOARD NO.
NTSC : VEP80B98A
DRAWING NO.
KR0Q05
SCM056


P8
JL_12P
GND 1
+5R6V 2
LED_FULL_AUTO 3
KS8 4
QUICK_FOCUS 5
AT_IRIS_BACK 6
AT_IRIS_SPOT 7
FL_AT_MD_CHK 8
KS7 9
SCENE_FILE_B 10
SCENE_FILE_A 11
MONITOR_VR 12
R32
8200/J3
1000/J3
R30
VR3
D2BBC14Y0003
R31
6800/J3
C8
4R7U
R45
22K/J3
R44
5600/J3
R43 0/J3
R46
0/J3
SW12
K0G119A00024
SCENE FILE
R47
5600/J3
R48 22K/J3
D24
MA142WK-GTX
D23
MA142WK-GTX
D22
MA142WK-GTX
D21
MA142WK-GTX
SW11
EVQQS205K
MODE CHECK
P9
JL_7P
+5R6V 1
LED_FULL_AUTO 2
KS8 3
QUICK_FOCUS 4
AT_IRIS_BACK 5
AT_IRIS_SPOT 6
FULL_AUTO 7
COMPONENT NAME
SCENE_FILE
01/01
CIRCUIT BOARD NO.
NTSC : VEP80B99A
DRAWING NO.
KR0Q06
SCM057



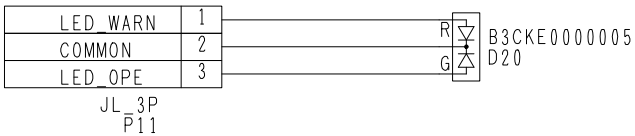
PAT=PATTERN ONLY

COMPONENT NAME	AUTO_IRIS	01/01
CIRCUIT BOARD NO.	DRAWING NO.	
NTSC: VEP80C00A	KR0Q07	
	SCM058	



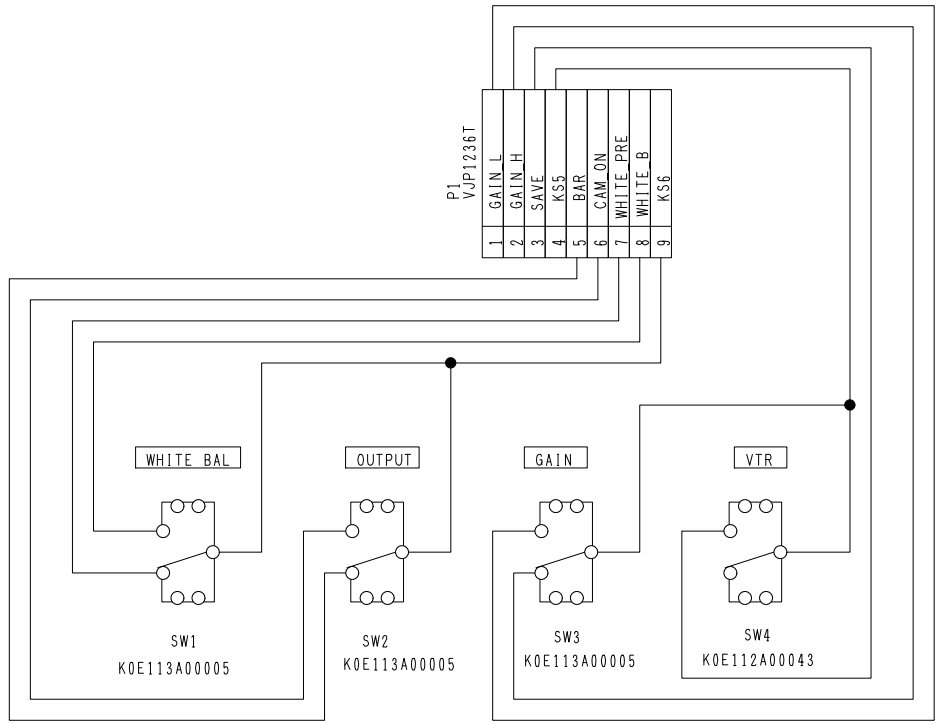
PAT=PATTERN ONLY

COMPONENT NAME	POWER_SW	01/01
CIRCUIT BOARD NO.	DRAWING NO.	
NTSC: VEP80B97A	KR0Q04	
	SCM058	



PAT=PATTERN ONLY

COMPONENT NAME	LED	01/01
CIRCUIT BOARD NO.	DRAWING NO.	
NTSC: VEP80C01B	KR0Q08	
	SCM059	

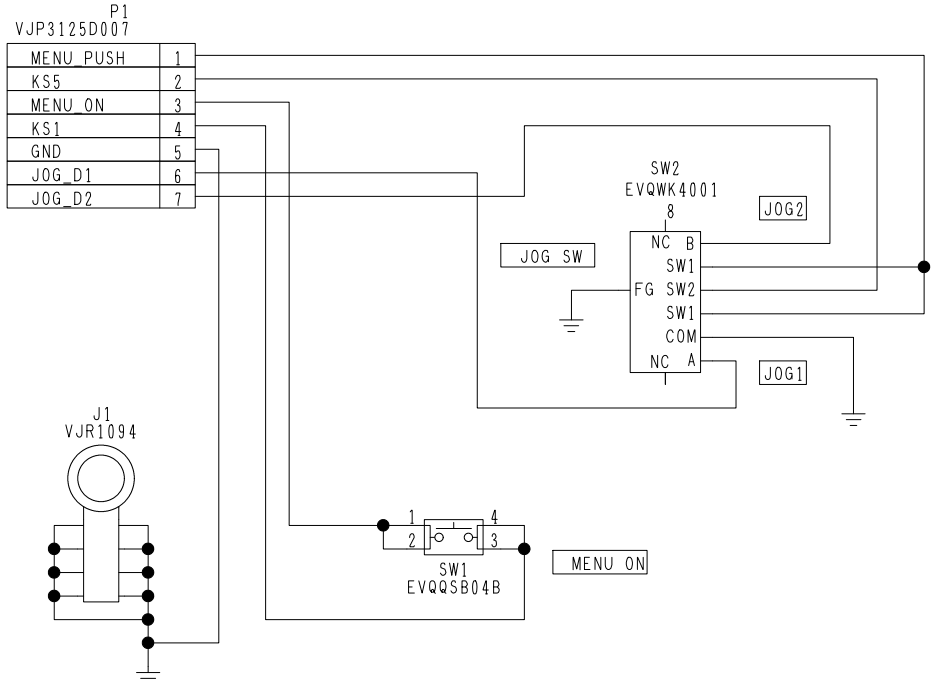


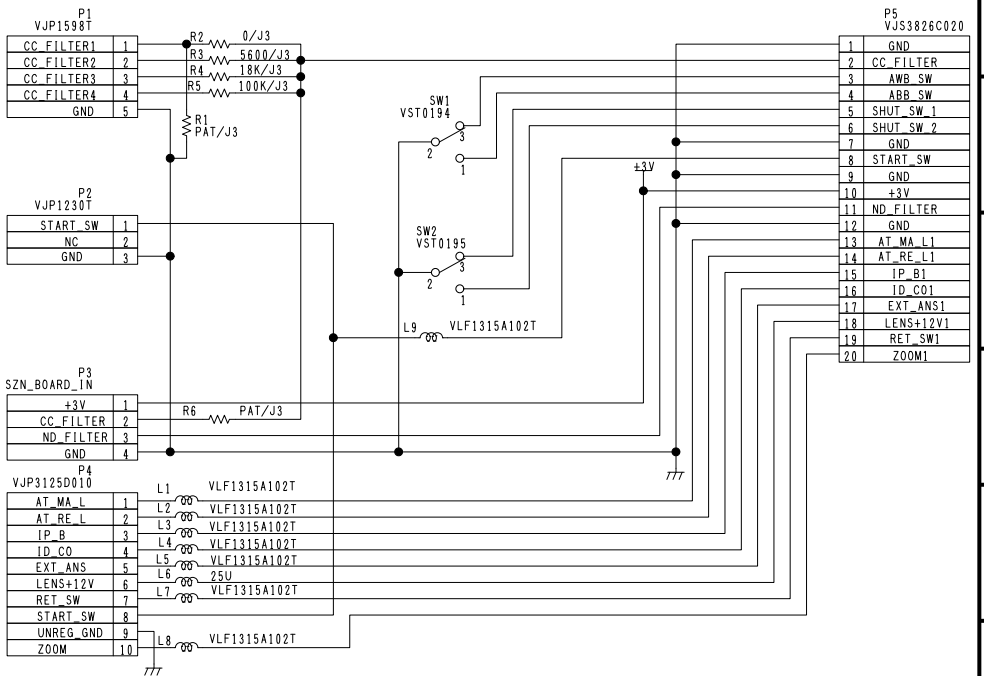
PAT=PATTERN ONLY

COMPONENT NAME	TOGGLE SW	01/01
CIRCUIT BOARD NO.	DRAWING NO.	
NTSC: VEP80B94A	KR0Q01	
	SCM059	

A B C D E F G H I J

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15





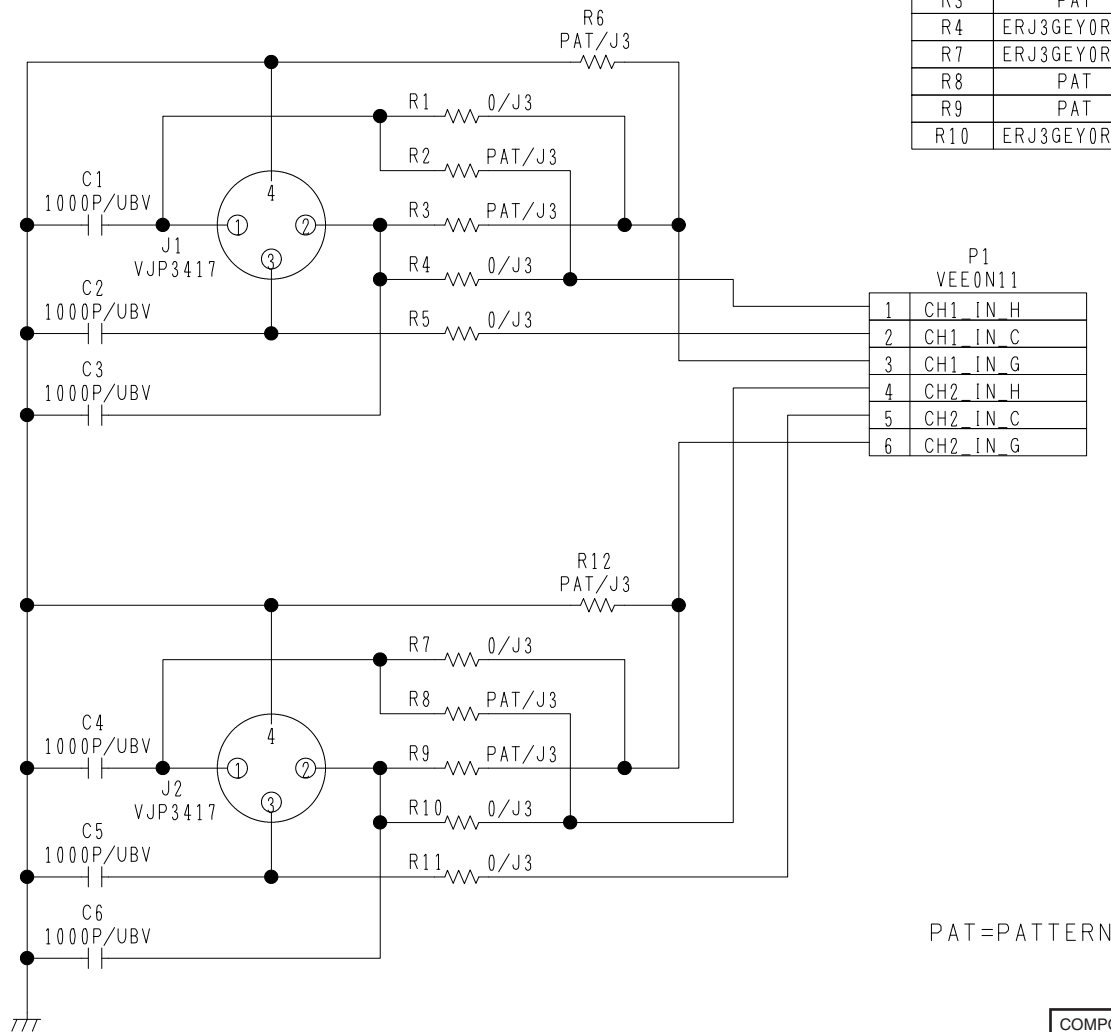
COMPONENT NAME	MENU_JOG	01/01
CIRCUIT BOARD NO.	DRAWING NO.	
NTSC: VEP80B96A	KR0Q03	
	SCM060	

COMPONENT NAME	FRONT TOGGLE SW	01/01
CIRCUIT BOARD NO.	DRAWING NO.	
NTSC: VEP80C02A	KR0Q10	
	SCM060	

A B C D E F G H I J

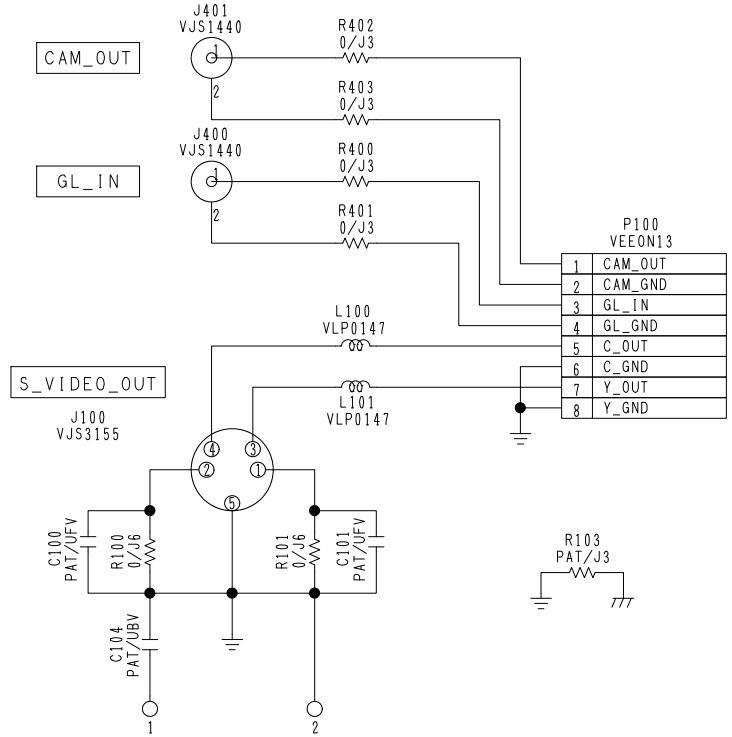
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

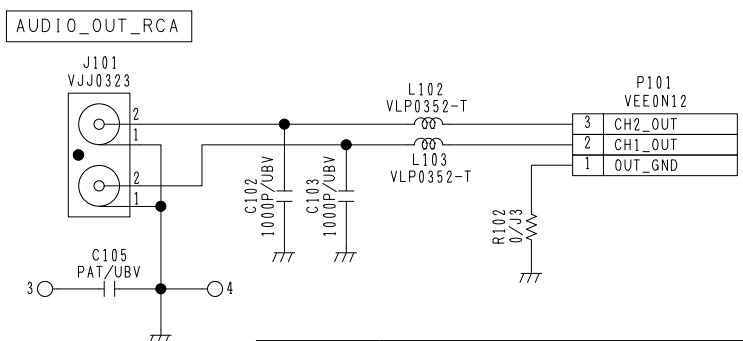
	FOR JAPAN	EXCEPT JAPAN
J1	VJP3417	VJS3417
J2	VJP3417	VJS3417
R1	ERJ3GEY0R00V	PAT
R2	PAT	ERJ3GEY0R00V
R3	PAT	ERJ3GEY0R00V
R4	ERJ3GEY0R00V	PAT
R7	ERJ3GEY0R00V	PAT
R8	PAT	ERJ3GEY0R00V
R9	PAT	ERJ3GEY0R00V
R10	ERJ3GEY0R00V	PAT



PAT=PATTERN ONLY

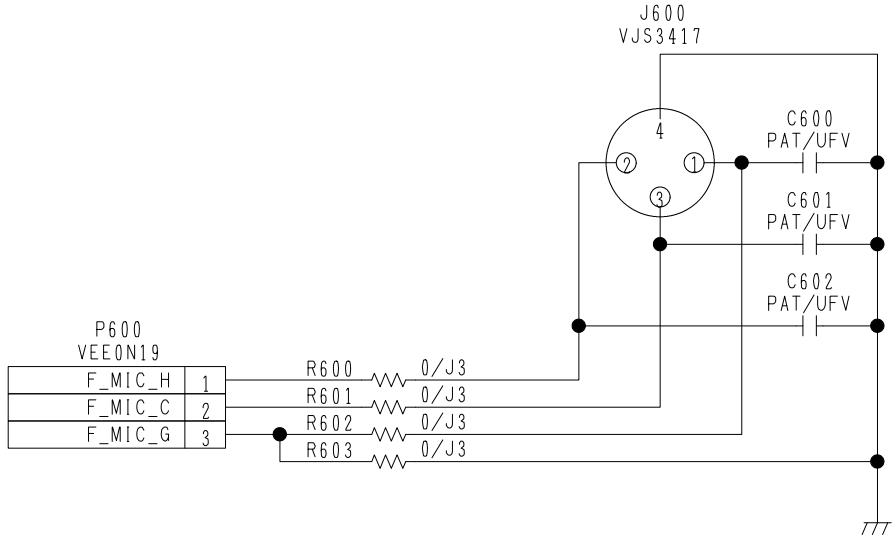
COMPONENT NAME	REAR JACK	01/01
CIRCUIT BOARD NO.		DRAWING NO.
NTSC : VEP80C06A (FOR JAPAN) VEP80C06B (EXCEPT JAPAN)		KR0Q16
		SCM061





PAT=PATTERN ONLY

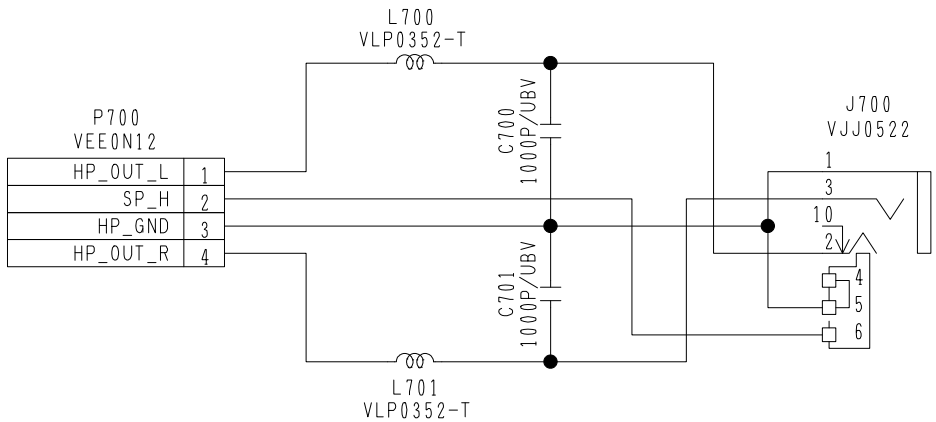
COMPONENT NAME	AV_OUT	01/01
CIRCUIT BOARD NO.		DRAWING NO.
NTSC: VEP80C07B		KR0Q17
		SCM062



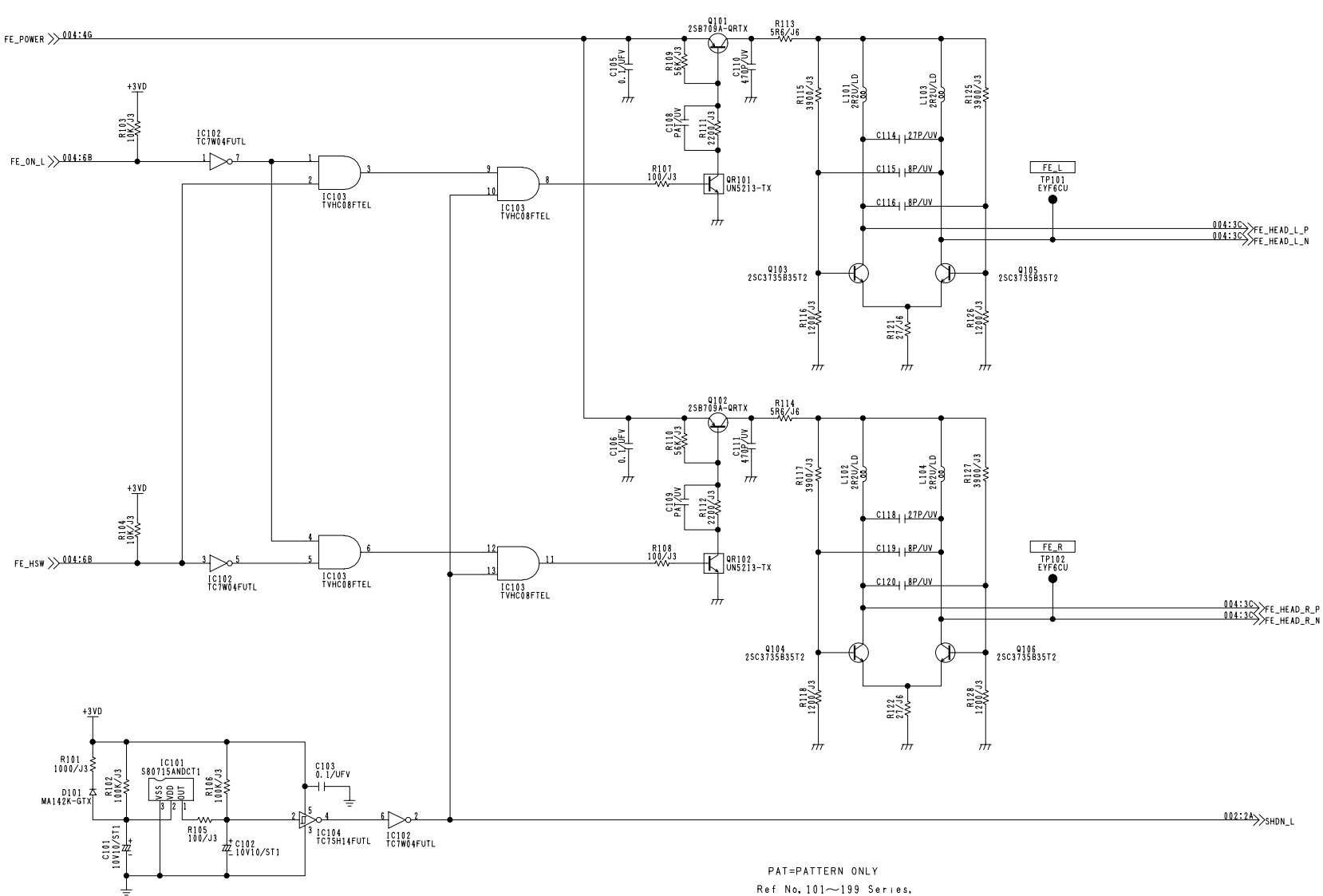
COMPONENT NAME	FRONT_MIC	01/01
CIRCUIT BOARD NO.		DRAWING NO.
NTSC: VEP80C12A		KR0Q22
		SCM062

A B C D E F G H I J

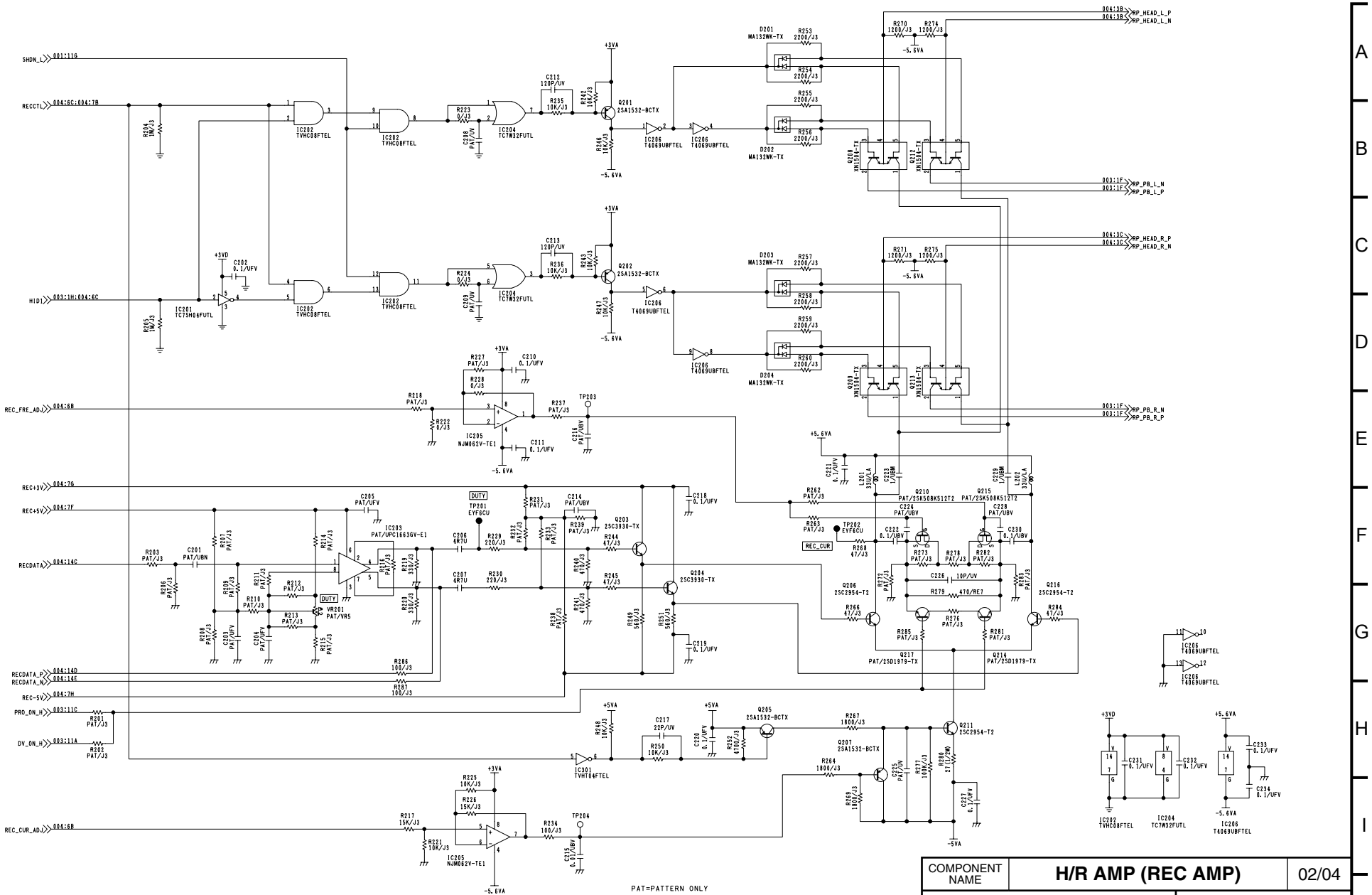
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15



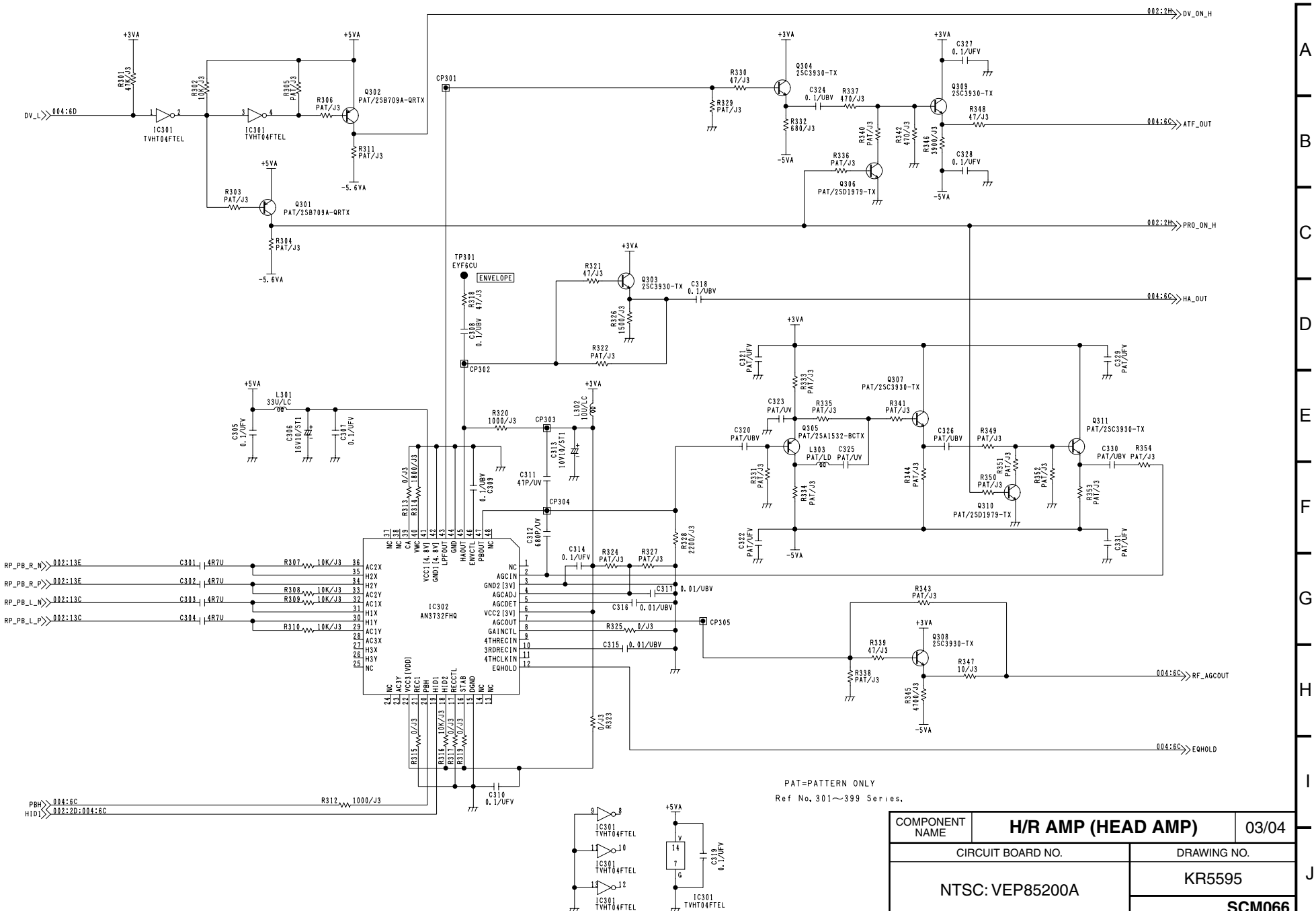
COMPONENT NAME	HEAD_PHONE	01/01
CIRCUIT BOARD NO.		DRAWING NO.
NTSC: VEP000U0A		KR0Q63
		SCM063



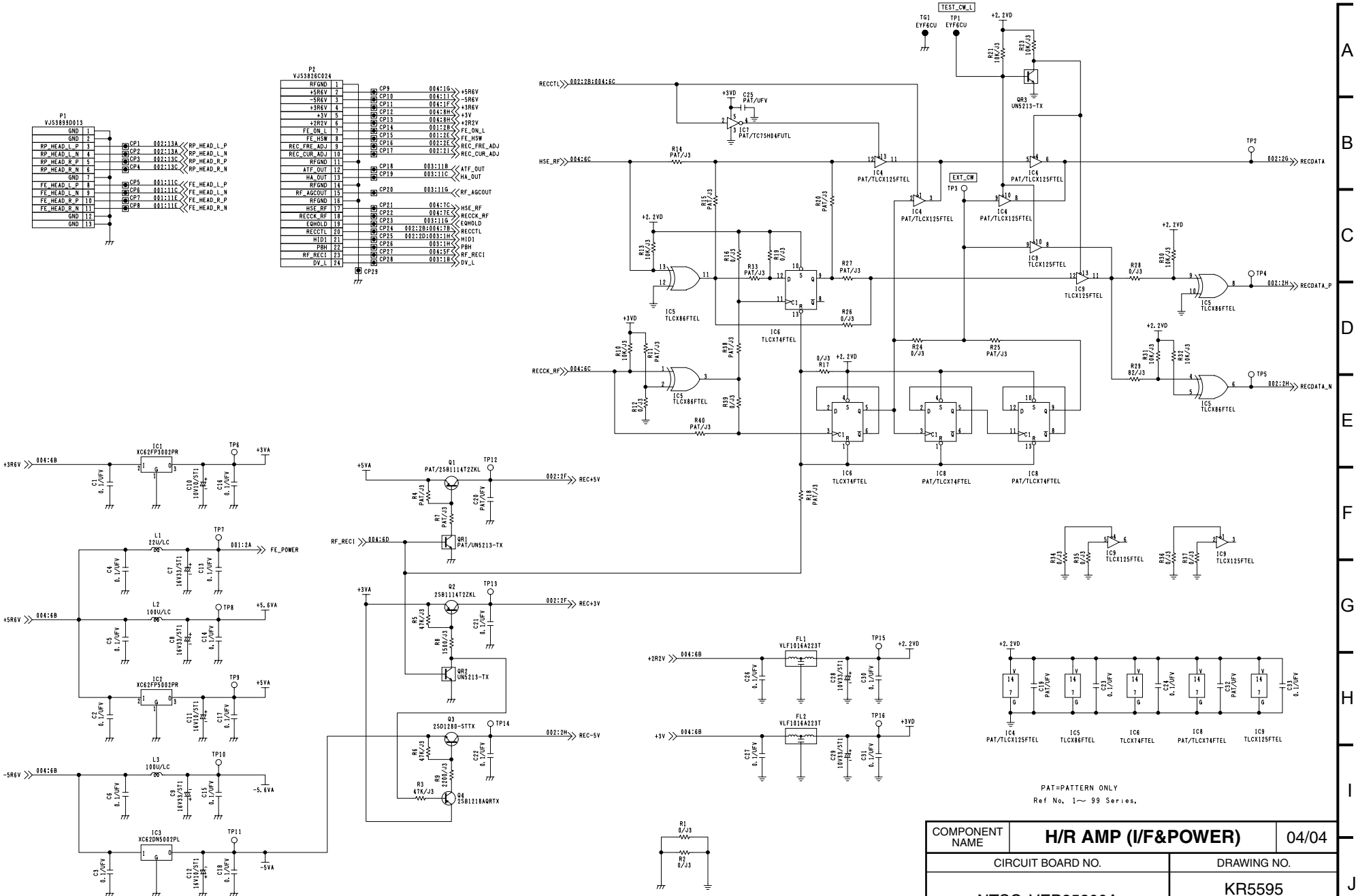
COMPONENT NAME	**H/R AMP (FE)**	01/04
CIRCUIT BOARD NO.		DRAWING NO.
NTSC: VEP85200A		KR5595
		SCM064



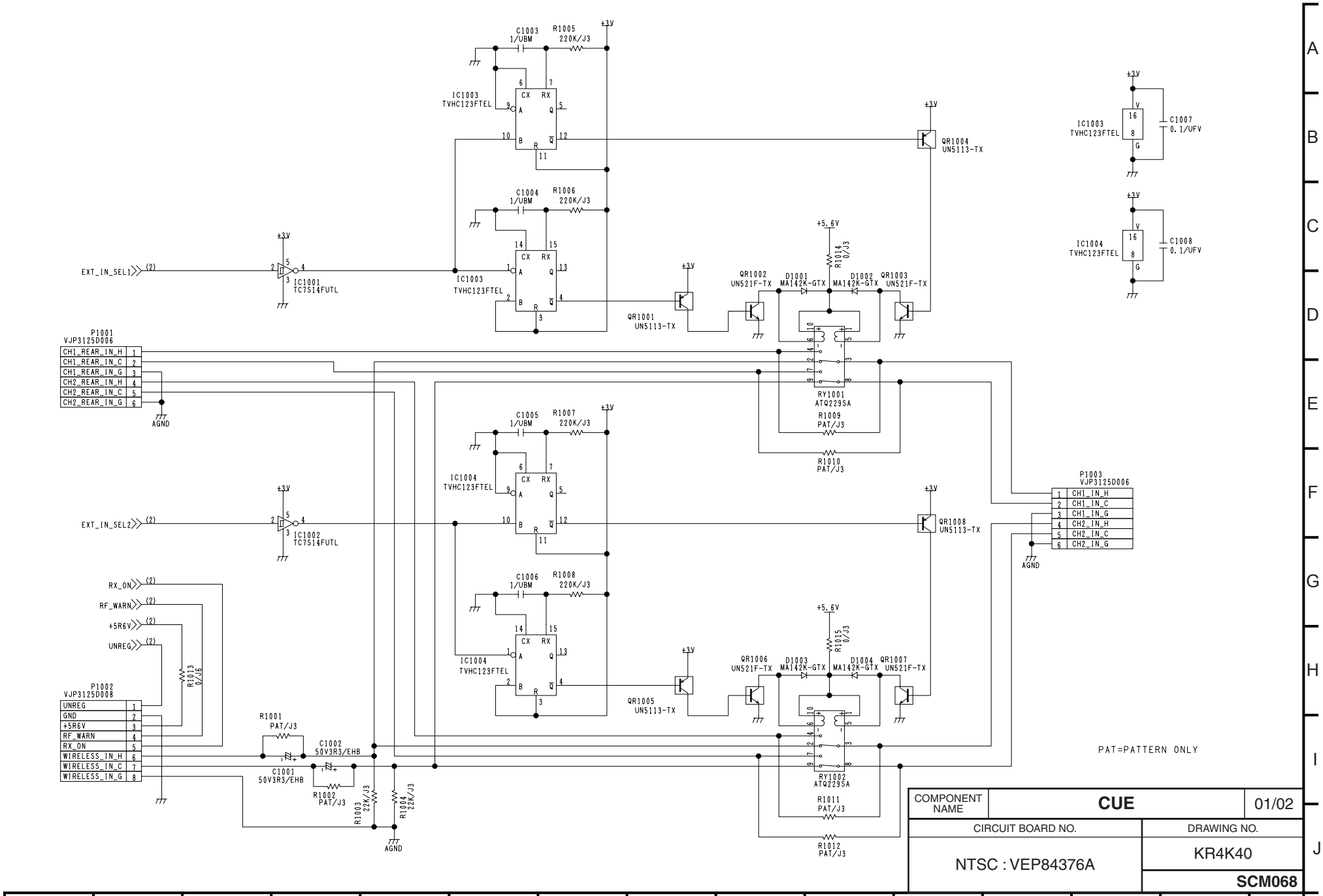
COMPONENT NAME	**H/R AMP (REC AMP)**	02/04
CIRCUIT BOARD NO.		DRAWING NO.
NTSC: VEP85200A		KR5595
		SCM065



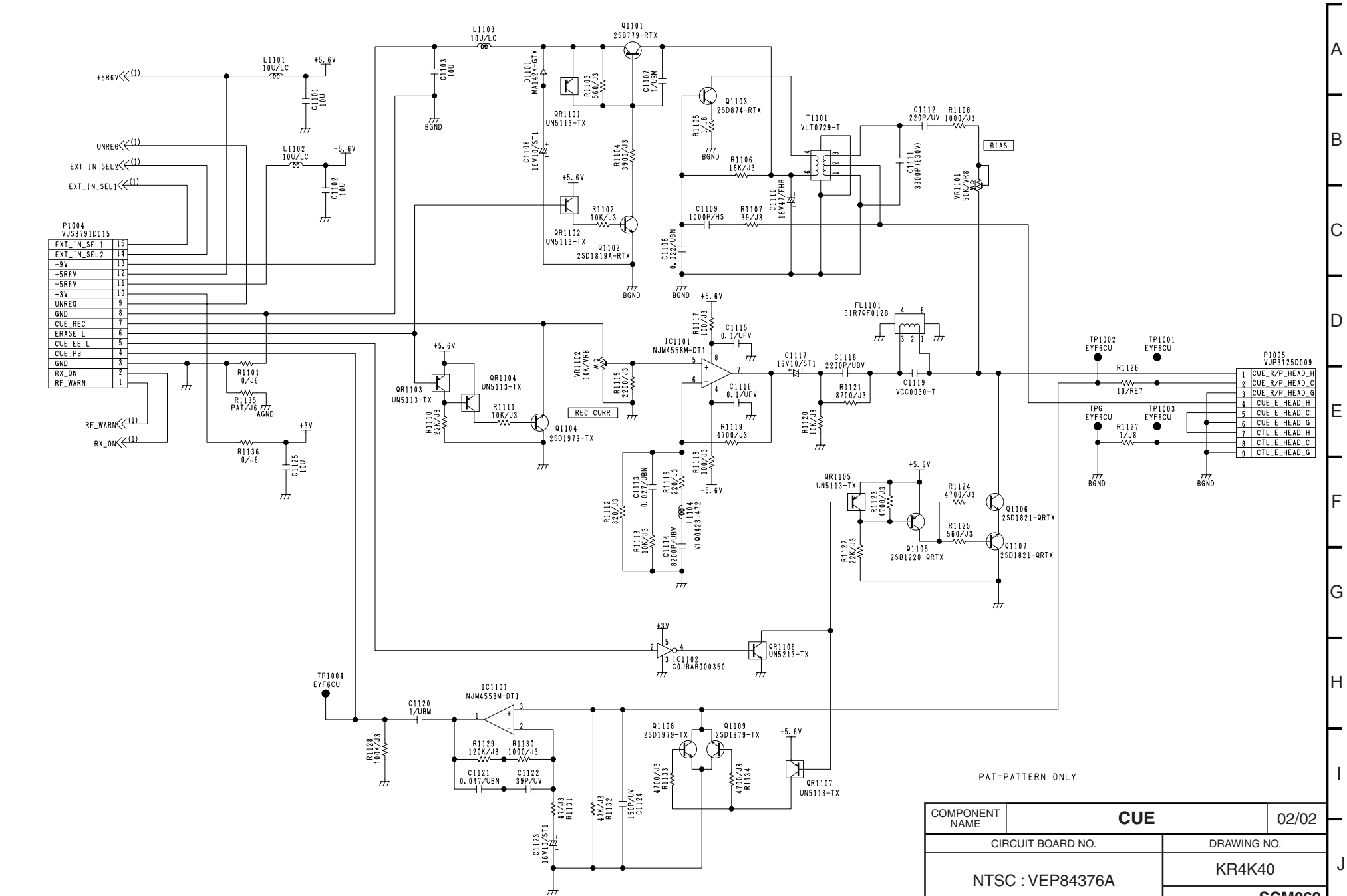
COMPONENT NAME	H/R AMP (HEAD AMP)	03/04
CIRCUIT BOARD NO.		DRAWING NO.
NTSC: VEP85200A		KR5595
		SCM066

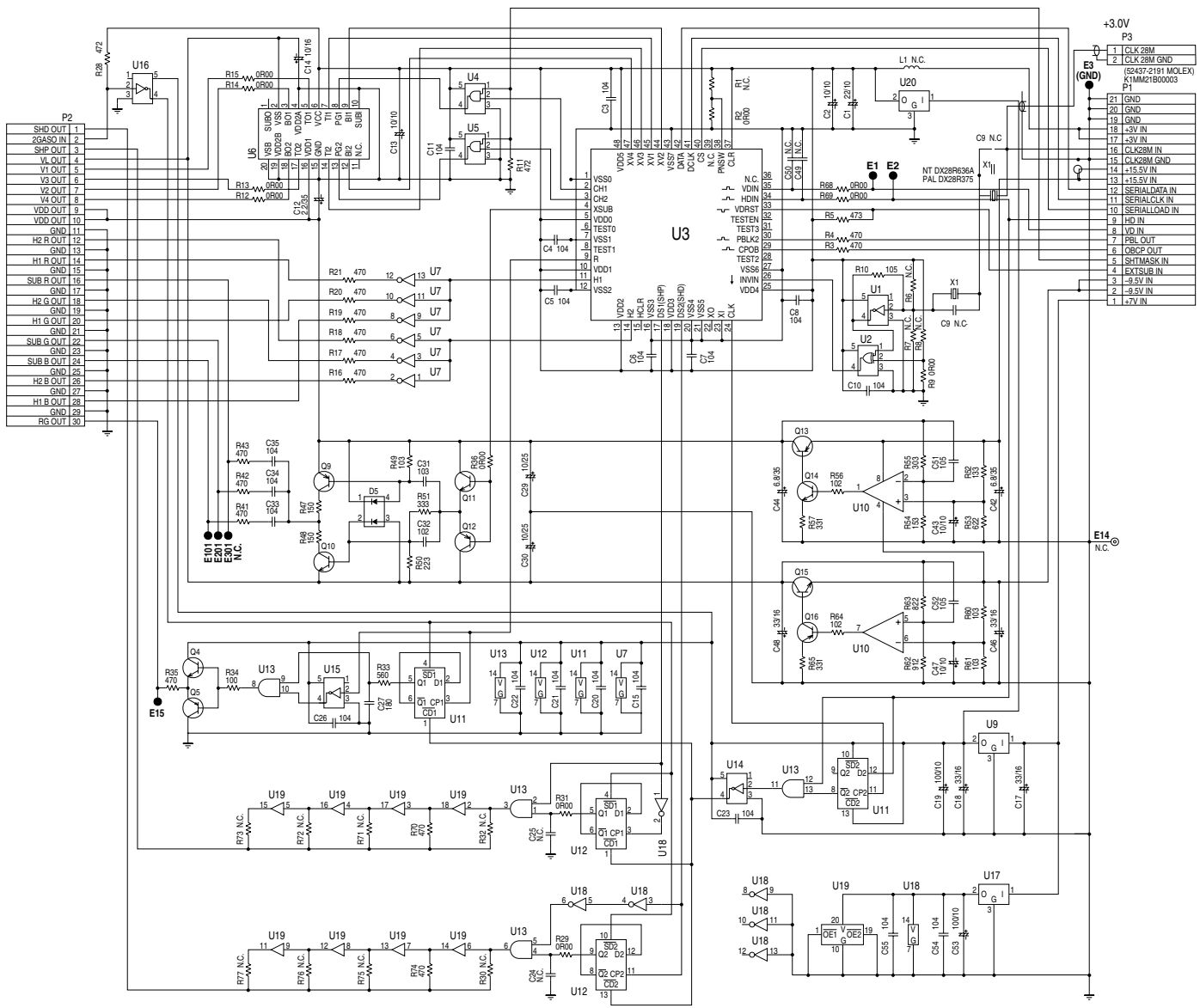


COMPONENT NAME	H/R AMP (I/F&POWER)		04/04
CIRCUIT BOARD NO.		DRAWING NO.	
NTSC: VEP85200A		KR5595	
		SCM067	

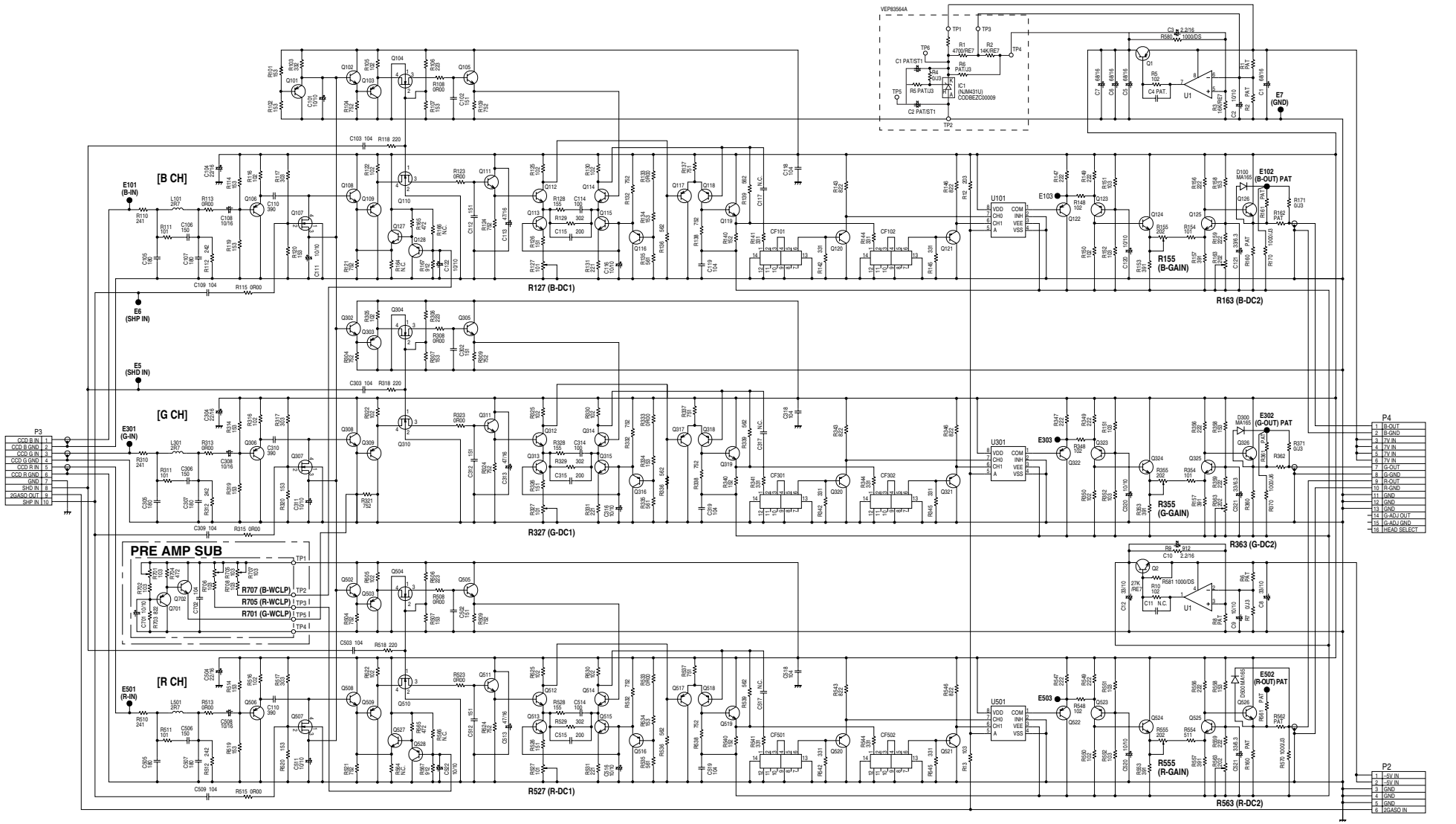


COMPONENT NAME	**CUE**	01/02
CIRCUIT BOARD NO.		DRAWING NO.
NTSC : VEP84376A		KR4K40
		SCM068


P1004
VJS3791D015
EXT_IN_SEL1
EXT_IN_SEL2
+9V
+5R6V
-5R6V
+3V
UNREG
GND
CUE_REC
ERASE_L
CUE_EE_L
CUE_PB
GND
RX_ON
RF_WARN
L1101 10U/LC
L1102 10U/LC
L1103 10U/LC
+5.6V
-5.6V
C1101 10U
C1102 10U
C1103 10U
BGND
AGND
D1101 MA142K-GTX
Q1101 2SB779-RTX
QR1101 UN5113-TX
Q1102 2SD1819A-RTX
QR1102 UN5113-TX
Q1103 2SD874-RTX
T1101 VLT0729-T
BIAS
VR1101 50K/VR8
C1106 16V10/ST1
C1107 1/UBM
C1108 0.022/UBN
C1109 1000P/HS
C1110 16V47/EHB
C1111 330UP(630V)
C1112 220P/UV
R1101 0/J6
R1102 10K/J3
R1103 560/J3
R1104 3900/J3
R1105 1/J8
R1106 18K/J3
R1107 39/J3
R1108 1000/J3
R1135 PAT/J6
R1136 0/J6
C1125 10U
QR1103 UN5113-TX
QR1104 UN5113-TX
Q1104 2SD1979-TX
R1110 22K/J3
R1111 10K/J3
VR1102 10K/VR8
R1115 2200/J3
REC CURR
IC1101 NJM4558M-DT1
R1117 100/J3
C1115 0.1/UFV
C1116 0.1/UFV
R1119 4700/J3
C1117 16V10/ST1
C1118 2200P/UBV
C1119 VCC0030-T
R1121 8200/J3
R1120 10K/J3
FL1101 EIR7QF012B
C1113 0.027/UBN
R1116 220/J3
R1118 100/J3
L1104 VLQ0423J412
C1114 8200P/UBV
R1112 820/J3
R1113 10K/J3
QR1105 UN5113-TX
R1123 4700/J3
R1124 4700/J3
R1125 560/J3
Q1105 2SB1220-QRTX
Q1106 2SD1821-QRTX
Q1107 2SD1821-QRTX
R1122 22K/J3
IC1102 C0JBAB000350
QR1106 UN5213-TX
TP1004 EYF6CU
C1120 1/UBM
R1128 100K/J3
R1129 120K/J3
R1130 1000/J3
C1121 0.047/UBN
C1122 39P/UV
R1131 47/J3
C1123 16V10/ST1
R1132 47K/J3
C1124 150P/UV
Q1108 2SD1979-TX
Q1109 2SD1979-TX
R1133 4700/J3
R1134 4700/J3
QR1107 UN5113-TX
TP1002 EYF6CU
TP1001 EYF6CU
R1126 10/RE7
TPG EYF6CU
TP1003 EYF6CU
R1127 1/J8
P1005
VJP3125D009
CUE_R/P_HEAD_H
CUE_R/P_HEAD_C
CUE_R/P_HEAD_G
CUE_E_HEAD_H
CUE_E_HEAD_C
CUE_E_HEAD_G
CTL_E_HEAD_H
CTL_E_HEAD_C
CTL_E_HEAD_G
PAT=PATTERN ONLY
COMPONENT NAME
CUE
02/02
CIRCUIT BOARD NO.
NTSC : VEP84376A
DRAWING NO.
KR4K40
SCM069



COMPONENT NAME	**DRIVE**		01/01
CIRCUIT BOARD NO.		DRAWING NO.	
NTSC: WE600EKF1C			**SCM070**



COMPONENT NAME	**PRE AMP**	01/01
CIRCUIT BOARD NO.		DRAWING NO.
NTSC: VEP83564A NTSC: WE600PKE1B NTSC: WE600PKY1A		**SCM071**

SECTION 7

CIRCUIT BOARD DIAGRAMS

NOTE:
DO NOT USE THE PART NUMBER SHOWN ON THIS DRAWING FOR ORDERING. THE CORRECT PART NUMBER SHOWN IN THE PARTS LIST, AND MAY BE SLIGHTLY DIFERENT OR AMENDED SINCE THIS DRAWING WAS PREPARED.

CAUTION

THE ▭ MARK INDICATES THE PRIMARY CIRCUIT TO DISTINGUISH THE PRIMARY FROM THE SECONDARY CIRCUIT.
PAY ATTENTION NOT TO RECEIVE AN ELECTRIC SHOCK DURING REPAIR AND SERVICE OF THE PRODUCTS.

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.

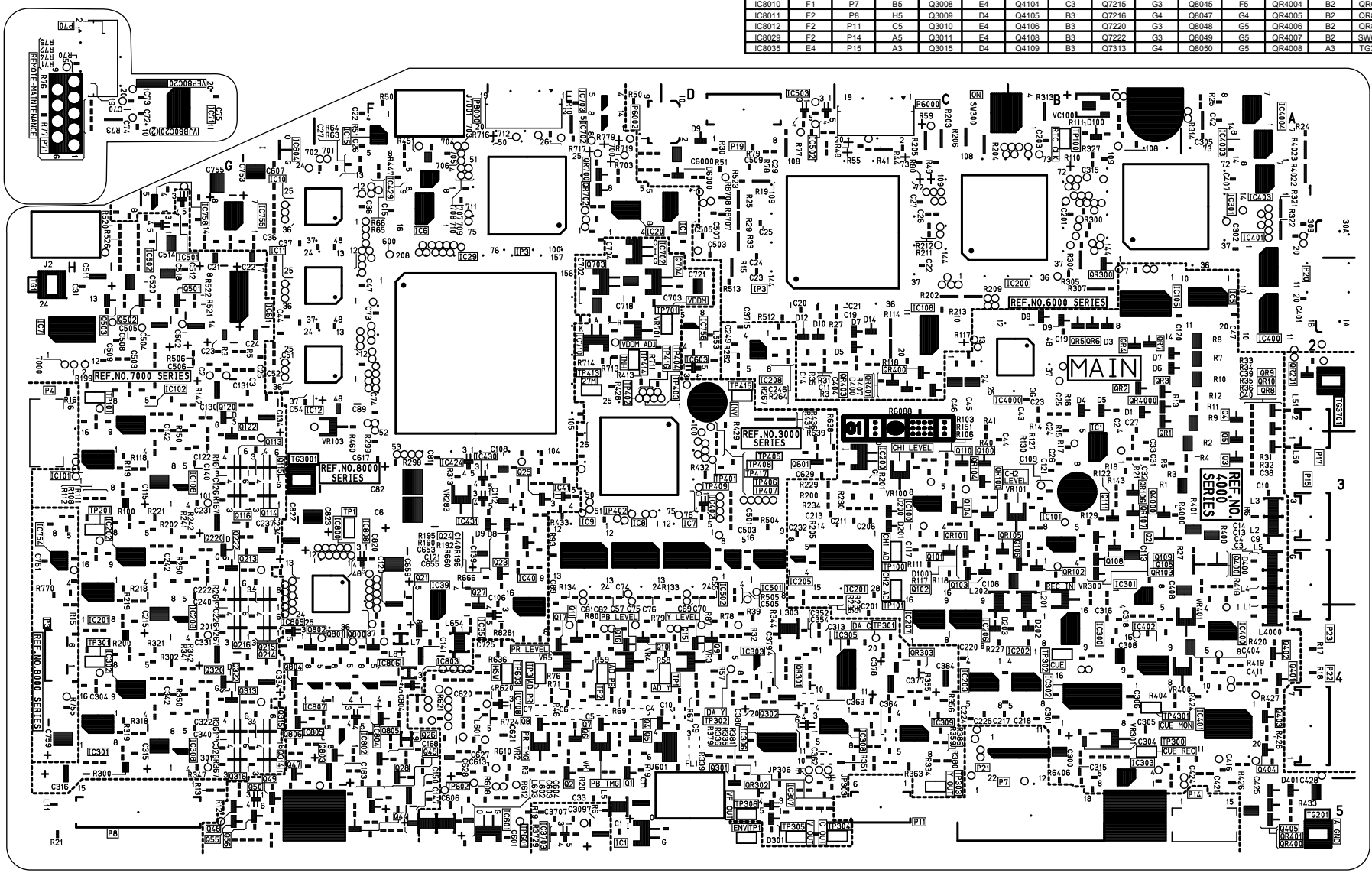
CONTENTS

MAIN P.C.B. (VEP83551C)..... CBA-1
REMOTE MAINTENANCE P.C.B. (VEP80C20A)..... CBA-1
RF & SERVO P.C.B. (VEP82241C)..... CBA-3
VTR SUB P.C.B. (VEP83579A)..... CBA-5
VTR S/S P.C.B. (VEP80C03A)..... CBA-6
REAR JACK P.C.B. (VEP80C06B)..... CBA-6
AV OUT P.C.B. (VEP80C07B)..... CBA-6
FILTER P.C.B. (VEP000W0A)..... CBA-6
DRIVE P.C.B. (WE600PKF1C)..... CBA-7
POWER P.C.B. (VEP81220C)..... CBA-8
H/R AMP P.C.B. (VEP85200A)..... CBA-9
CUE P.C.B. (VEP84376A)..... CBA-9
PRE AMP2 P.C.B. (WE600PKY1A)..... CBA-10
PRE AMP P.C.B. (WE600PKE1B)..... CBA-10
SCENE FILE P.C.B. (VEP80B99A)..... CBA-11
R SIDE P.C.B. (VEP80B98A)..... CBA-12
AUTO IRIS P.C.B. (VEP80C00A)..... CBA-13
LED P.C.B. (VEP80C01B)..... CBA-13
POWER SW P.C.B. (VEP80B97A)..... CBA-13

TOGGLE SW P.C.B. (VEP80B94A) CBA-14
FRONT TOGGLE SW P.C.B. (VEP80C02A) CBA-14
MENU JOG P.C.B. (VEP80B96A) CBA-14
BREAKER P.C.B. (VEP80C08A)..... CBA-15
HEAD PHONE P.C.B. (VEP000U0A)..... CBA-15
FRONT MIC P.C.B. (VEP80C12A) CBA-15

MAIN P.C.B. (VEP83551C)
REMOTE MAINTENANCE P.C.B. (VEP80C20A)

REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC
IC3001	E5	IC8041	E3	P17	A2	Q3016	E4	Q4110	C3	Q7314	G4	Q8055	G5	QR4009	A2	TG3701	A2
IC3307	D5	IC8424	F3	P19	D1	Q3017	E4	Q4111	B3	Q7315	G4	Q8056	G5	QR4010	A2	TG4201	A5
IC3402	D3	IC8430	F3	P20	A2	Q3301	D5	Q4400	A3	Q7316	G4	Q8800	F4	QR4100	C3	TG7001	H2
IC3601	E5	IC8431	F3	P21	B4	Q3302	D4	Q4401	A4	Q7320	G4	Q8801	F4	QR4101	C3	TP1	D5
IC3702	E1	IC8603	D2	P22	A4	Q3601	D3	Q4402	A4	Q7322	G4	Q8802	G4	QR4102	B3	TP3001	D4
IC3703	E5	IC8604	G1	P23	A3	Q3703	E2	Q4403	A4	Q7501	G2	Q8803	F4	QR4103	B3	TP3002	E4
IC3708	E4	IC8800	F3	P70	H1	Q3704	E2	Q4404	A4	Q7502	G2	Q8804	G4	QR4104	C3	TP3003	E4
IC3710	E2	IC8802	F4	P6000	C1	Q4000	B3	Q4405	A5	Q7503	H2	Q8805	F4	QR4105	C3	TP3303	C5
IC4000	B2	IC8803	F4	P6002	D1	Q4002	B3	Q7113	G3	Q8021	F4	Q8806	G4	QR4106	B3	TP3304	C5
IC4200	C3	IC8808	F3	P8000	E1	Q4003	A3	Q7114	G3	Q8023	E3	QR3301	D4	QR4107	B3	TP3305	D5
IC6200	C1	IC8809	G4	Q3001	E4	Q4004	A2	Q7115	G3	Q8024	E3	QR3302	D5	QR4400	A5	TP3306	D5
IC6301	B1	IP3402	E3	Q3002	E4	Q4005	A3	Q7116	G3	Q8025	E3	QR3303	C4	QR4401	A5	TP3413	E2
IC6502	D1	IP6003	C1	Q3004	E4	Q4100	C3	Q7120	G2	Q8026	F4	QR4000	B2	QR6201	A2	TP3414	E2
IC6503	D1	IP8003	E1	Q3005	E4	Q4101	C3	Q7122	G3	Q8027	F4	QR4001	B2	QR6300	B2	TP3415	D2
IC7501	G1	P3	H4	Q3006	E4	Q4102	C3	Q7213	G3	Q8028	F4	QR4002	B2	QR6400	C2	TP3603	E4
IC7502	G1	P4	H3	Q3007	E4	Q4103	C3	Q7214	G4	Q8044	F5	QR4003	B2	QR6401	C2	TP3701	D2
IC8010	F1	P7	B5	Q3008	E4	Q4104	C3	Q7215	G3	Q8045	F5	QR4004	B2	QR6403	C2	VC6100	B1
IC8011	F2	P8	H5	Q3009	D4	Q4105	B3	Q7216	G4	Q8047	G4	QR4005	B2	QR8700	E1		
IC8012	F2	P11	C5	Q3010	E4	Q4106	B3	Q7220	G3	Q8048	G5	QR4006	B2	QR8702	E1		
IC8029	F2	P14	A5	Q3011	E4	Q4108	B3	Q7222	G3	Q8049	G5	QR4007	B2	SW6300	C1		
IC8035	E4	P15	A3	Q3015	D4	Q4109	B3	Q7313	G4	Q8050	G5	QR4008	A3	TG3001	G3		

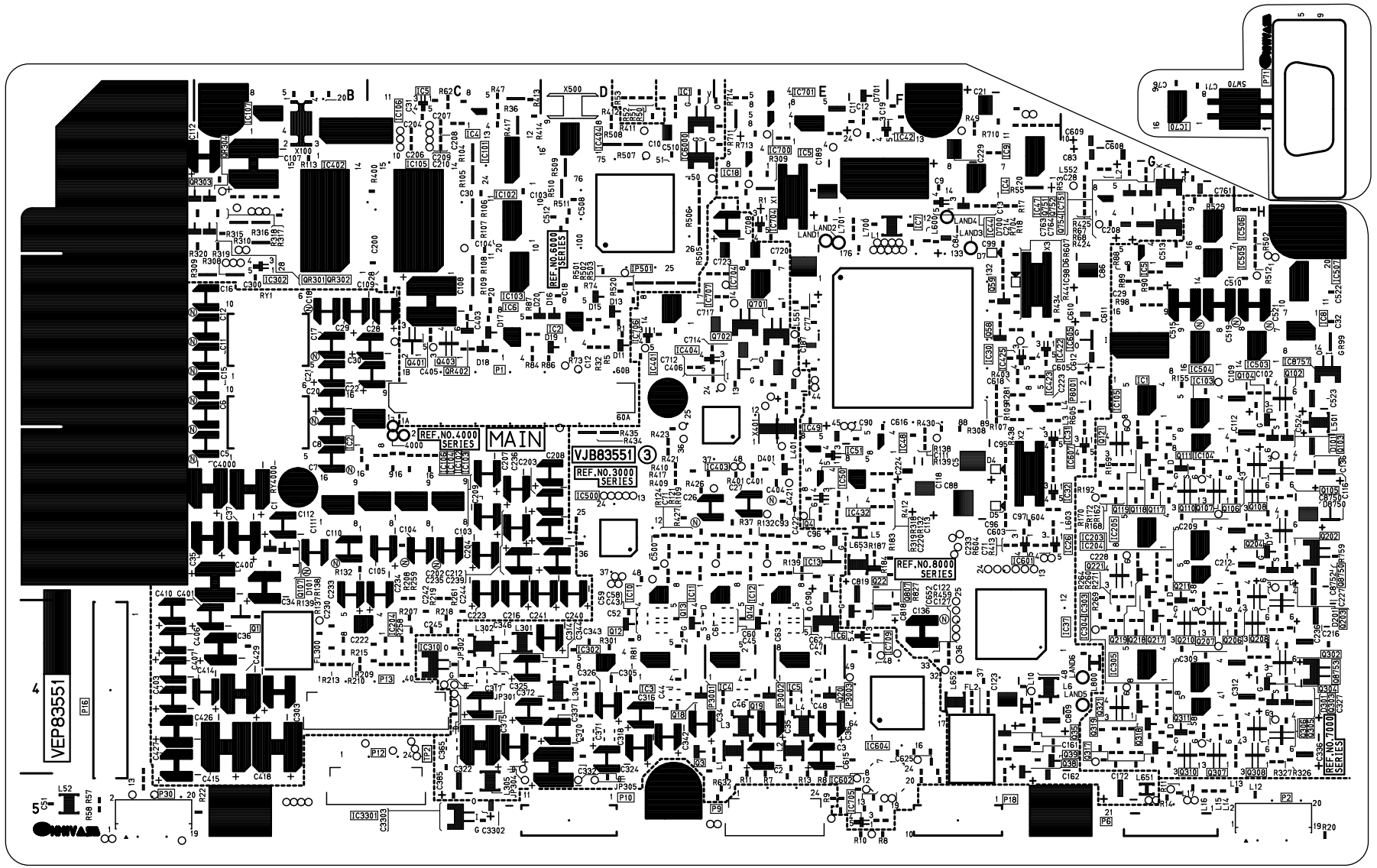


CBA-1

(FOIL SIDE)

MAIN P.C.B. (VEP83551C)
REMOTE MAINTENANCE P.C.B. (VEP80C20A)

REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC
IC70	G1	IC4002	C2	IC7008	H2	IC8030	F2	IC8751	G1	Q4102	B3	Q7205	H4	Q7319	G4	SW70	H1
IC3003	D4	IC4102	C3	IC7103	G2	IC8031	F3	IP6501	D1	Q4103	C3	Q7206	H3	Q7321	G4	TP2	C4
IC3004	E4	IC4204	C4	IC7104	G3	IC8032	F3	P1	C2	Q4104	C3	Q7207	G4	Q8004	E3		
IC3005	E4	IC6000	D1	IC7105	G2	IC8037	F4	P2	H5	Q6401	C2	Q7208	H4	Q8022	E3		
IC3006	E3	IC6001	D1	IC7203	G3	IC8042	E1	P9	G5	Q6403	C2	Q7210	G4	Q8035	F4		
IC3010	D4	IC6002	D2	IC7204	G3	IC8044	F1	P9	E5	Q7102	H2	Q7211	G4	Q8038	F4		
IC3011	E4	IC6004	C1	IC7205	G3	IC8047	G1	P10	D5	Q7103	H3	Q7217	G4	Q8039	F4		
IC3012	E4	IC6005	C1	IC7303	G4	IC8048	E3	P12	C5	Q7104	H2	Q7218	G3	Q8058	F2		
IC3304	C4	IC6006	C2	IC7304	G4	IC8049	E3	P13	C4	Q7105	H3	Q7219	G3	Q8059	F2		
IC3307	C5	IC6101	C1	IC7305	G4	IC8050	E3	P16	A4	Q7106	H3	Q7221	G3	Q8750	H3		
IC3401	E2	IC6102	C1	IC7503	H2	IC8051	E3	P18	F5	Q7107	G3	Q7302	H4	Q8751	G1		
IC3403	E2	IC6103	C2	IC7504	G2	IC8422	F2	P30	A5	Q7108	H3	Q7303	H4	Q8752	G1		
IC3404	D2	IC6105	C1	IC7505	G2	IC8423	F2	P71	H1	Q7110	G3	Q7304	H4	Q8753	H4		
IC3500	D3	IC6106	B1	IC7506	G1	IC8425	F2	P8001	C2	Q7111	C3	Q7305	H4	Q8754	G1		
IC3602	E5	IC6107	B1	IC7507	H2	IC8432	E3	Q3003	D4	Q7117	G3	Q7306	H4	Q8807	E4		
IC3604	F4	IC6302	B2	IC8004	F1	IC8601	F3	Q3012	D4	Q7118	G3	Q7307	G4	QR3302	C5		
IC3701	E5	IC6402	B1	IC8005	E1	IC8605	G2	Q3013	D4	Q7119	G3	Q7308	H4	QR6301	B1		
IC3704	E2	IC6502	D1	IC8007	E1	IC8607	G3	Q3014	E4	Q7121	G3	Q7310	G4	QR6302	B1		
IC3705	E5	IC6503	D1	IC8009	F1	IC8700	E1	Q3701	E2	Q7202	H3	Q7311	G4	QR6303	B1		
IC3707	D2	IC7001	G2	IC8018	E1	IC8701	E1	Q3702	E2	Q7203	H3	Q7317	G4	QR6304	B1		
IC3709	E4	IC7005	G2	IC8026	F3	IC8704	E1	Q4001	B4	Q7204	H3	Q7318	G4	QR6402	C2		

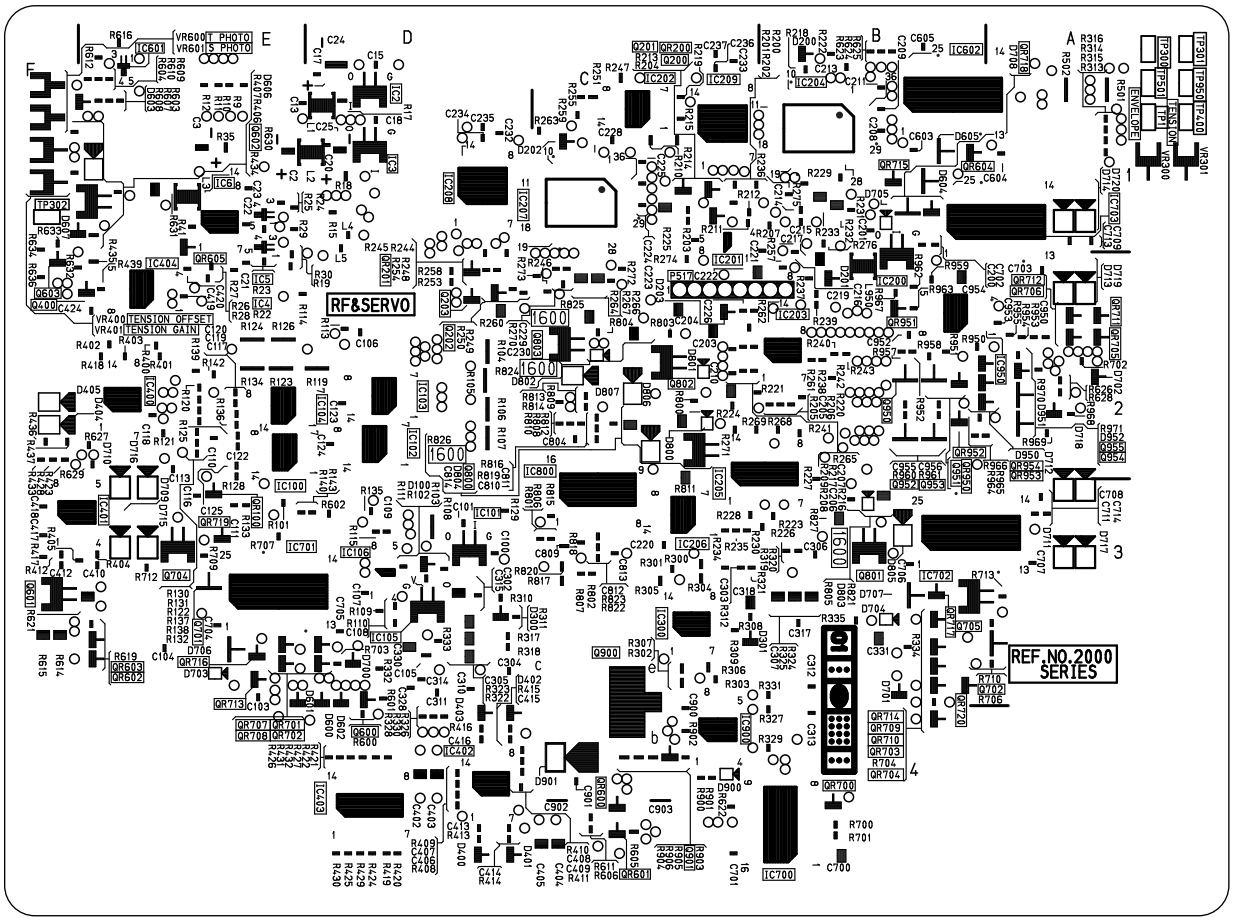


CBA-2

(COMPONENT SIDE)

RF & SERVO P.C.B. (VEP82241C)

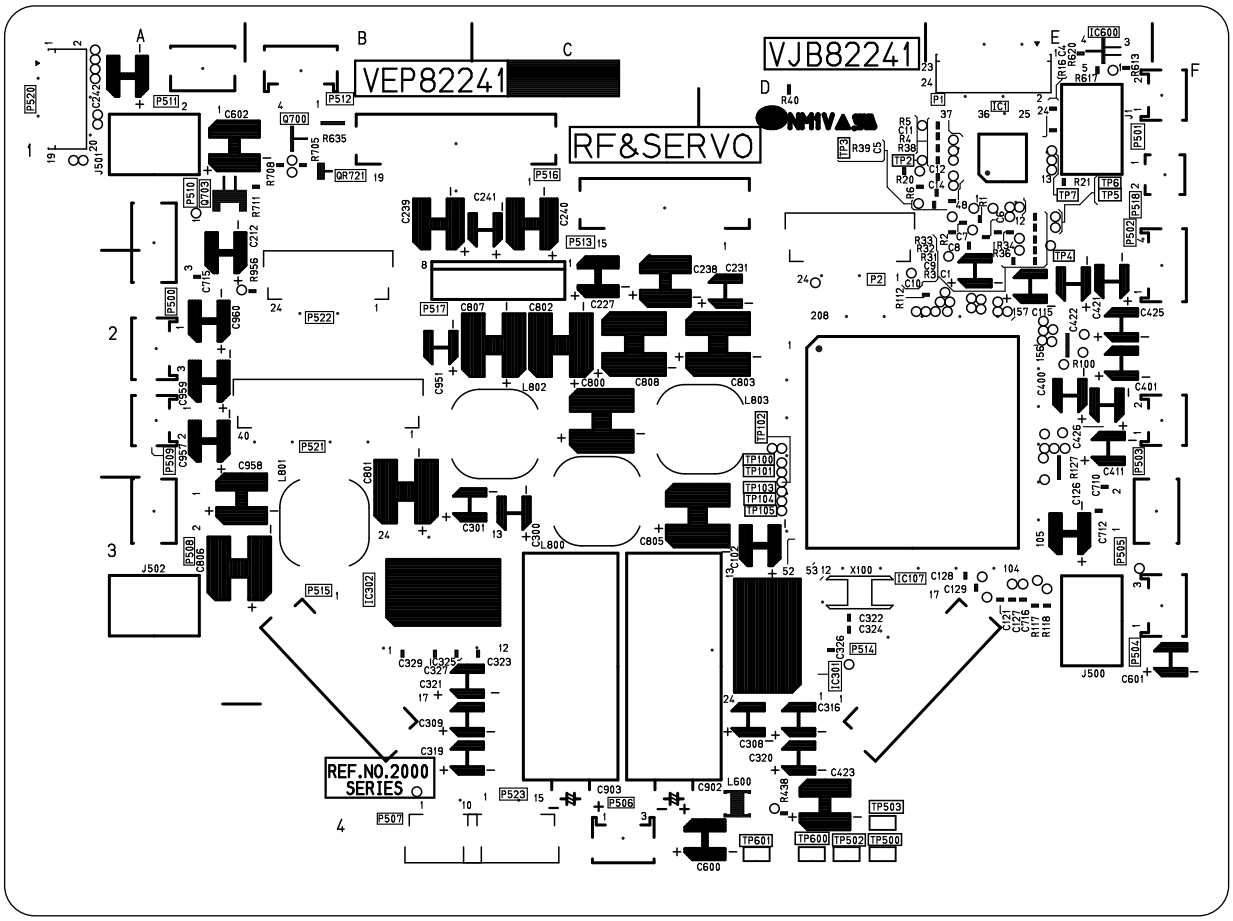
REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC
IC2	D1	IC204	B1	IC702	B3	Q704	E3	QR201	D2	QR709	B3	QR954	B2
IC3	D1	IC205	B2	IC703	A1	Q705	B3	QR600	C3	QR710	B3	TP1	A1
IC4	E1	IC206	C3	IC800	C3	Q800	C2	QR601	C3	QR711	A2	TP300	A1
IC5	E1	IC207	C1	IC900	C3	Q801	B3	QR602	E3	QR712	A2	TP301	A1
IC6	E1	IC208	D1	IC950	B2	Q802	C2	QR603	E3	QR713	E3	TP302	F1
IC100	E2	IC209	C1	Q200	C1	Q803	C2	QR604	B1	QR714	B3	TP400	A1
IC101	D3	IC300	C3	Q201	C1	Q900	C3	QR605	E1	QR715	B1	TP501	A1
IC102	D2	IC400	E2	Q202	D2	Q901	C3	QR700	B3	QR716	E3	TP950	A1
IC103	D2	IC401	F3	Q203	D2	Q950	B2	QR701	D3	QR717	B3	VR300	A1
IC104	E2	IC402	D3	Q400	E2	Q951	B2	QR702	D3	QR718	B1	VR301	A1
IC105	D3	IC403	D3	Q600	D3	Q952	B2	QR703	B3	QR719	E3	VR400	F1
IC106	D3	IC404	E2	Q601	F3	Q953	B2	QR704	B3	QR720	B3	VR401	F1
IC200	B2	IC601	E1	Q602	E1	Q954	A2	QR705	A2	QR950	B2	VR600	F1
IC201	C1	IC602	B1	Q603	F2	Q955	A2	QR706	A2	QR951	B2	VR601	F1
IC202	C1	IC700	B3	Q701	E3	QR100	E3	QR707	E3	QR952	B2		
IC203	B2	IC701	E3	Q702	A3	QR200	C1	QR708	E3	QR953	B2		



(FOIL SIDE)

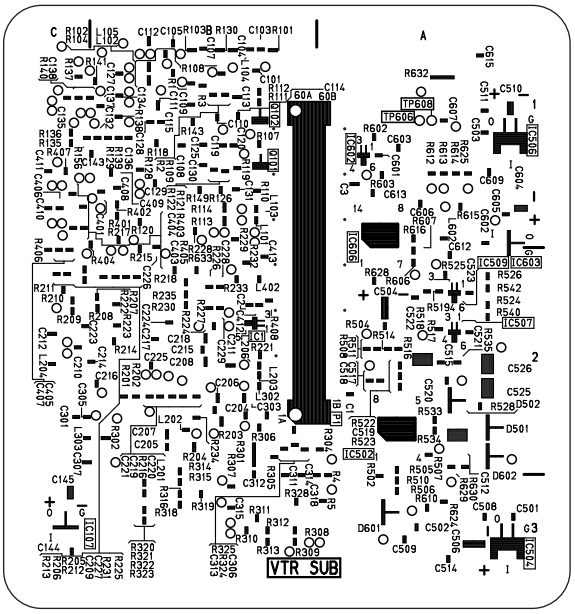
RF & SERVO P.C.B. (VEP82241C)

REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC
IC1	E1	P504	F3	P515	B3	TP2	D1	TP105	D3
IC107	D2	P505	F3	P516	B1	TP3	D1	TP500	D3
IC301	D3	P506	C3	P517	C2	TP4	E1	TP502	D3
IC302	B3	P507	B3	P518	F1	TP5	E1	TP503	D3
IC600	E1	P508	A3	P520	A1	TP6	E1	TP600	D3
P1	E1	P509	A2	P521	B2	TP7	E1	TP601	D3
P2	D1	P510	A1	P522	B2	TP100	D2		
P500	A2	P511	A1	P523	C3	TP101	D2		
P501	F1	P512	B1	Q700	B1	TP102	D3		
P502	F2	P513	C1	Q703	A1	TP103	D3		
P503	F2	P514	D3	QR721	B1	TP104	D3		

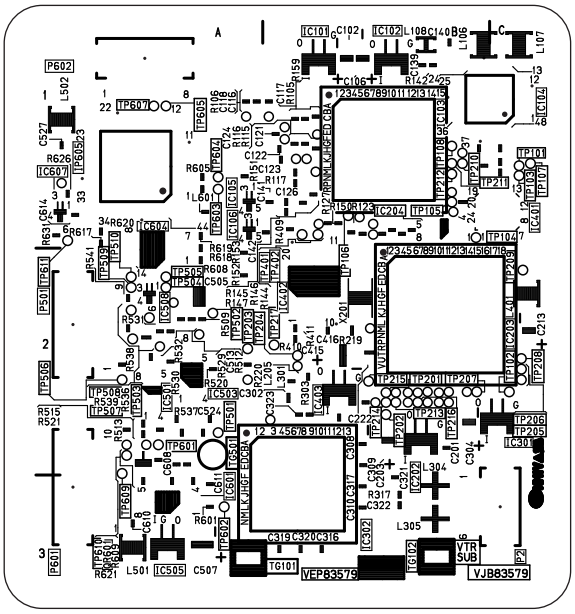


(COMPONENT SIDE)

VTR SUB P.C.B. (VEP83579A)

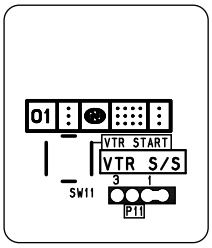


(FOIL SIDE)

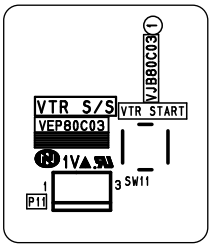


(COMPONENT SIDE)

VTR S/S P.C.B. (VEP80C03A)

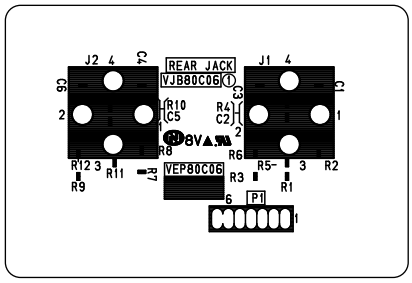


(FOIL SIDE)

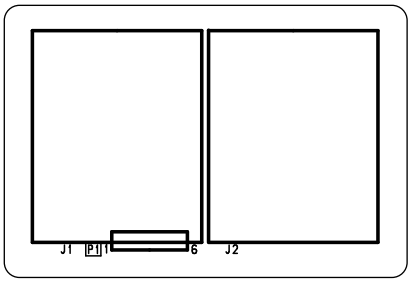


(COMPONENT SIDE)

REAR JACK P.C.B. (VEP80C06A : FOR JAPAN)
(VEP80C06B : EXCEPT JAPAN)

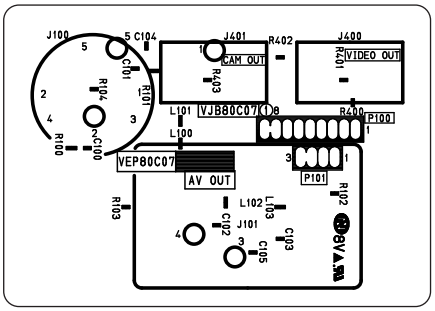


(FOIL SIDE)

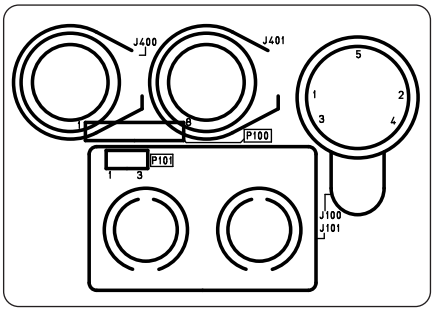


(COMPONENT SIDE)

AV OUT P.C.B. (VEP80C07B)

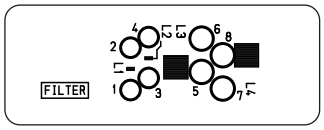


(FOIL SIDE)

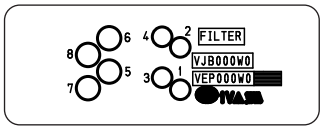


(COMPONENT SIDE)

FILTER P.C.B. (VEP000W0A)

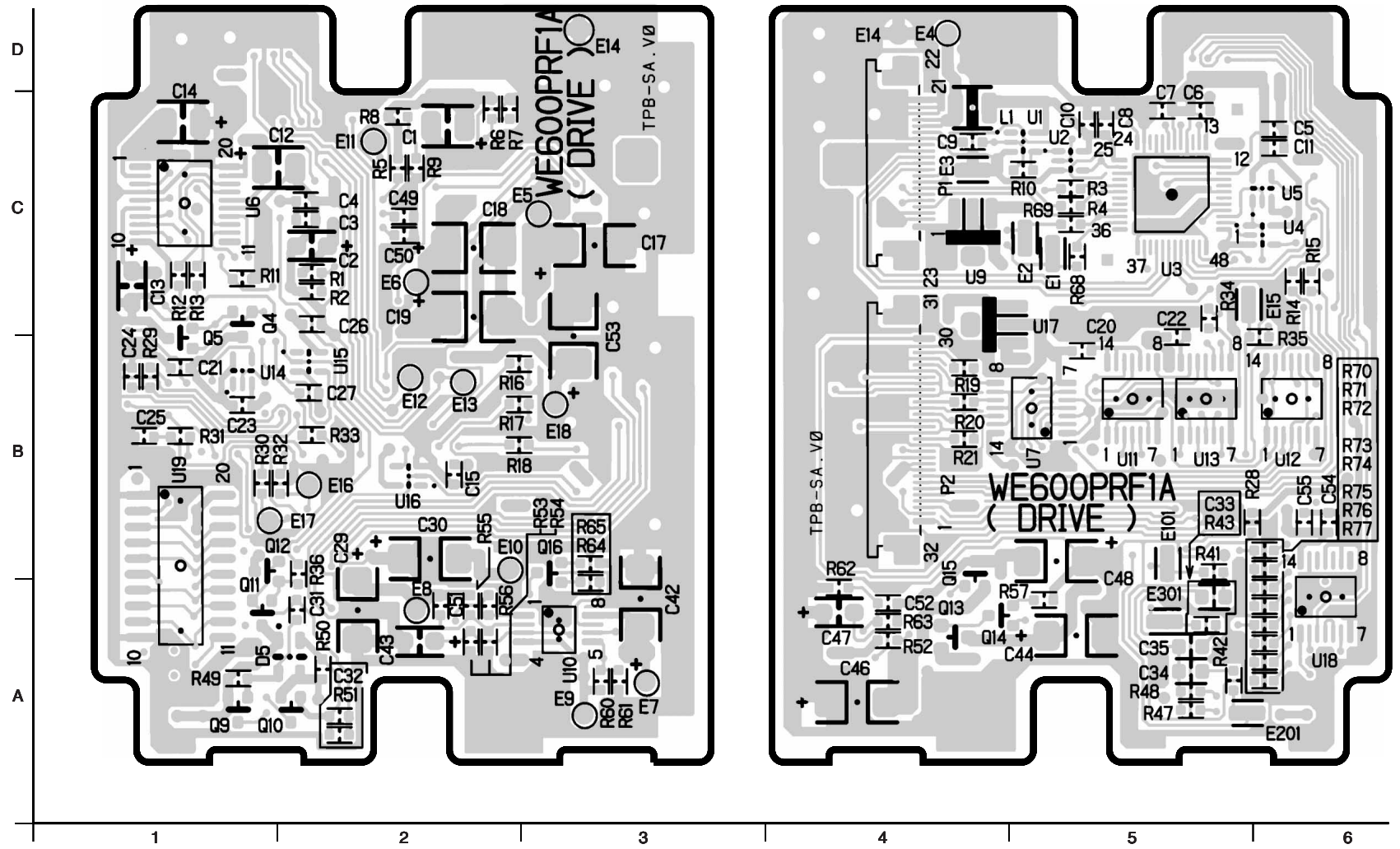


(FOIL SIDE)



(COMPONENT SIDE)

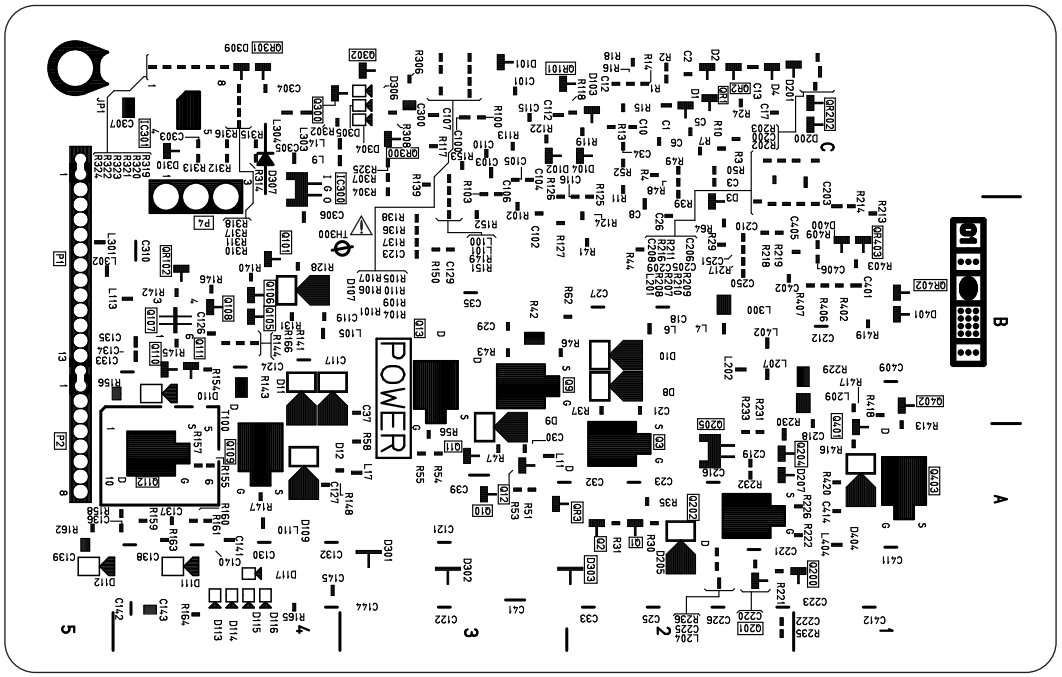
DRIVE P.C.B. (WE600PKF1C)



< INDEX >
DRIVE BOARD

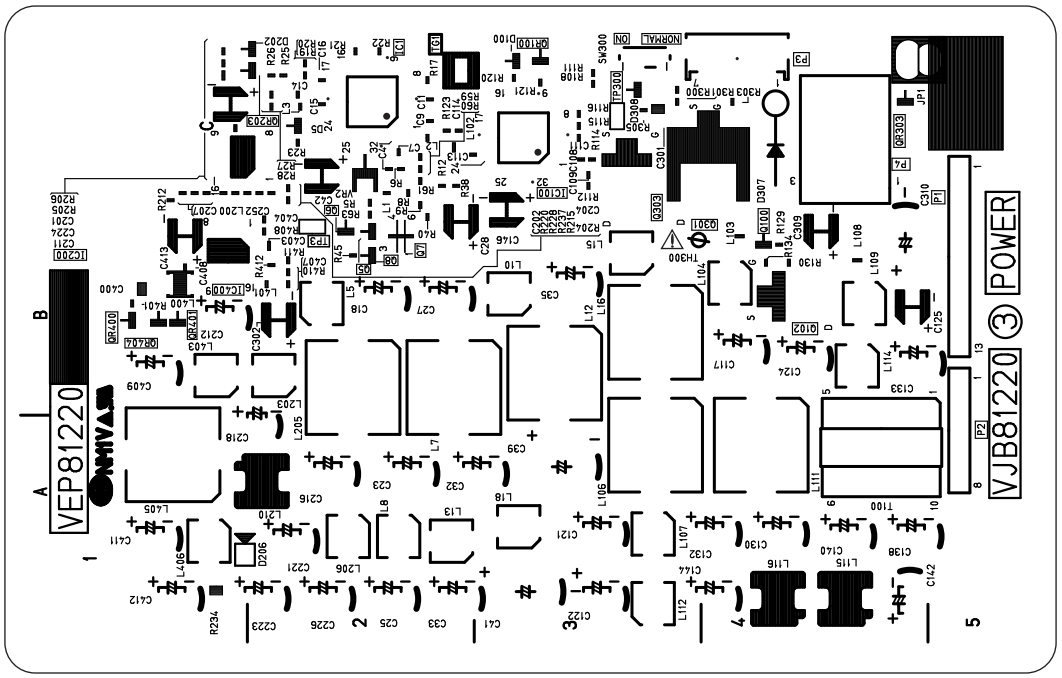
U1	C5
U2	C5
U3	C5
U4	C6
U5	C6
U6	C1
U7	B5
U9	C4
U10	A3
U11	B5
U12	B6
U13	B5
U14	B1
U15	B2
U16	B2
U17	C4
U18	A6
U19	B1
U20	â„ît
Q4	C1
Q5	B1
Q9	A1
Q10	A2
Q11	A1
Q12	B1
Q13	A4
Q14	A4
Q15	B4
Q16	B3
D5	B2

POWER P.C.B. (VEP81220C)



REF	LOC
IC300	B4
IC301	C4
Q1	A2
Q2	A2
Q3	A2
Q9	B3
Q10	A3
Q11	A3
Q12	A3
Q13	B3
Q101	B4
Q105	B4
Q106	B4
Q107	B4
Q108	B4
Q109	A4
Q110	B4
Q111	B4
Q112	A4
Q200	A1
Q201	A2
Q202	A2
Q204	A2
Q205	A2
Q300	C4
Q302	C3
Q401	A1
Q402	B1
Q403	A1
QR1	C2
QR2	C2
QR3	A3
QR101	C3
QR102	B4
QR202	C1
QR300	C3
QR301	C4
QR402	B1
QR403	B1

(FOIL SIDE)



REF	LOC
IC1	C2
IC100	C3
IC200	C1
IC400	B1
P1	C5
P2	B5
P3	C4
P4	C4
Q5	B2
Q6	B2
Q7	B2
Q8	B2
Q100	B4
Q102	B4
Q301	C4
Q303	C3
QR100	C3
QR203	C2
QR303	C4
QR400	B1
QR401	B1
QR404	B1
SW300	C3
TG1	C2
TP3	B2
TP300	C3
VR2	C2

(COMPONENT SIDE)

JAPAN ONLY

⚠ 警 告	
感電注意	ＡＣ100Vの加わっている活電部（充電部、活電部）に直接触れないでください。 ☞感電ややけどの可能性があります。

① ⚠警 告　⚠印の部品は安全上重要な部品です。交換するときは、安全および性能維持のため必ず指定の部品をご使用ください。

② ⋯⋯ 内は充電部です。ＡＣ100Vが加わっておりますので点検、修理のときは感電しないよう充分ご注意下さい。

③ 部品交換時には、電源プラグをぬいてから行なってください。

④ 一次側（充電部）の電圧・波形は、一次側アースを基準に測定してください。

⑤ 部品品番は、部品価格表で確認の上交換ください。

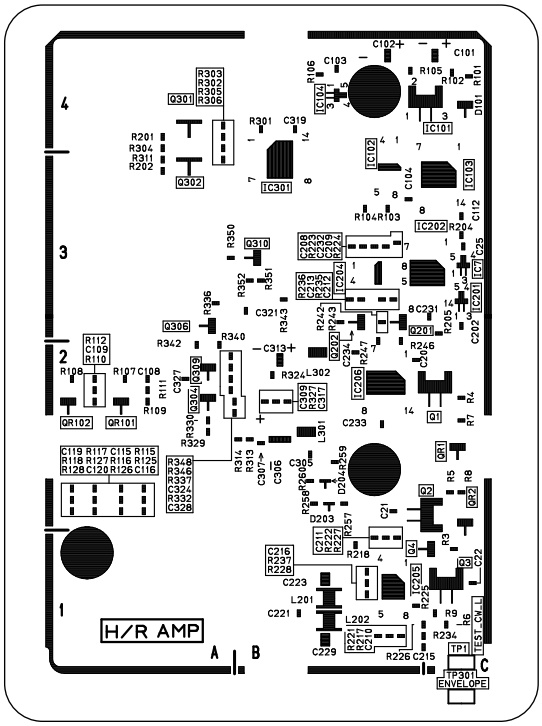
CAUTION

THE ⋯ MARK INDICATES THE PRIMARY CIRCUIT TO DISTINGUISH THE PRIMARY FROM THE SECONDARY CIRCUIT.
PAY ATTENTION NOT TO RECEIVE AN ELECTRIC SHOCK DURING REPAIR AND SERVICE OF THE PRODUCTS.

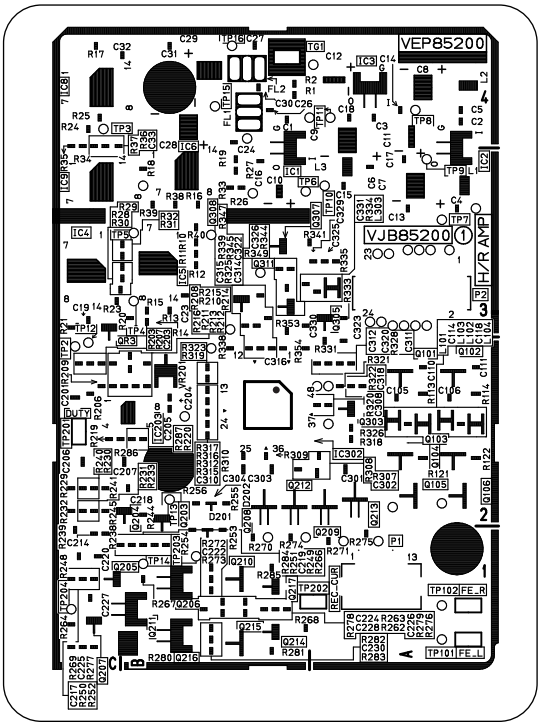
IMPORTANT SAFETY NOTICE:

Components identified with the mark ⚠ have the special characteristics for safety.
When replacing any of these components, use only the same type.

H/R AMP C.B.A (VEP85200A)

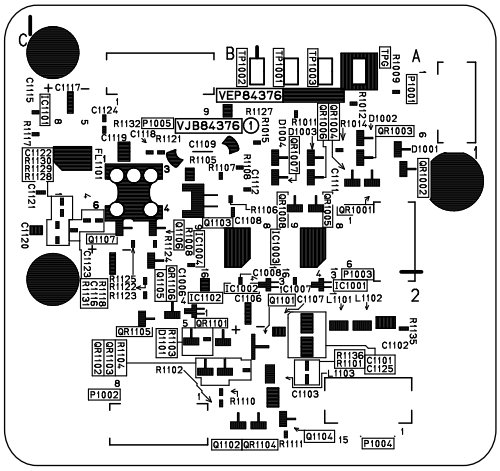


(FOIL SIDE)

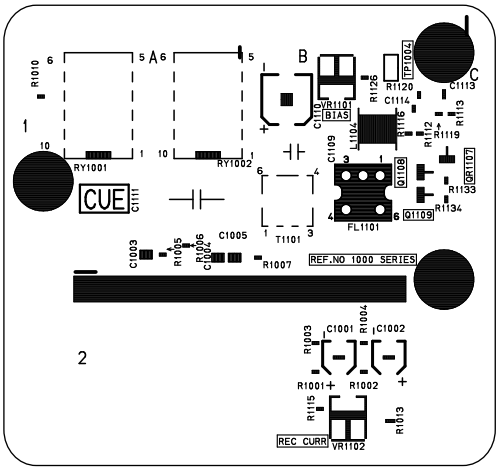


(COMPONENT SIDE)

CUE C.B.A (VEP84376A)

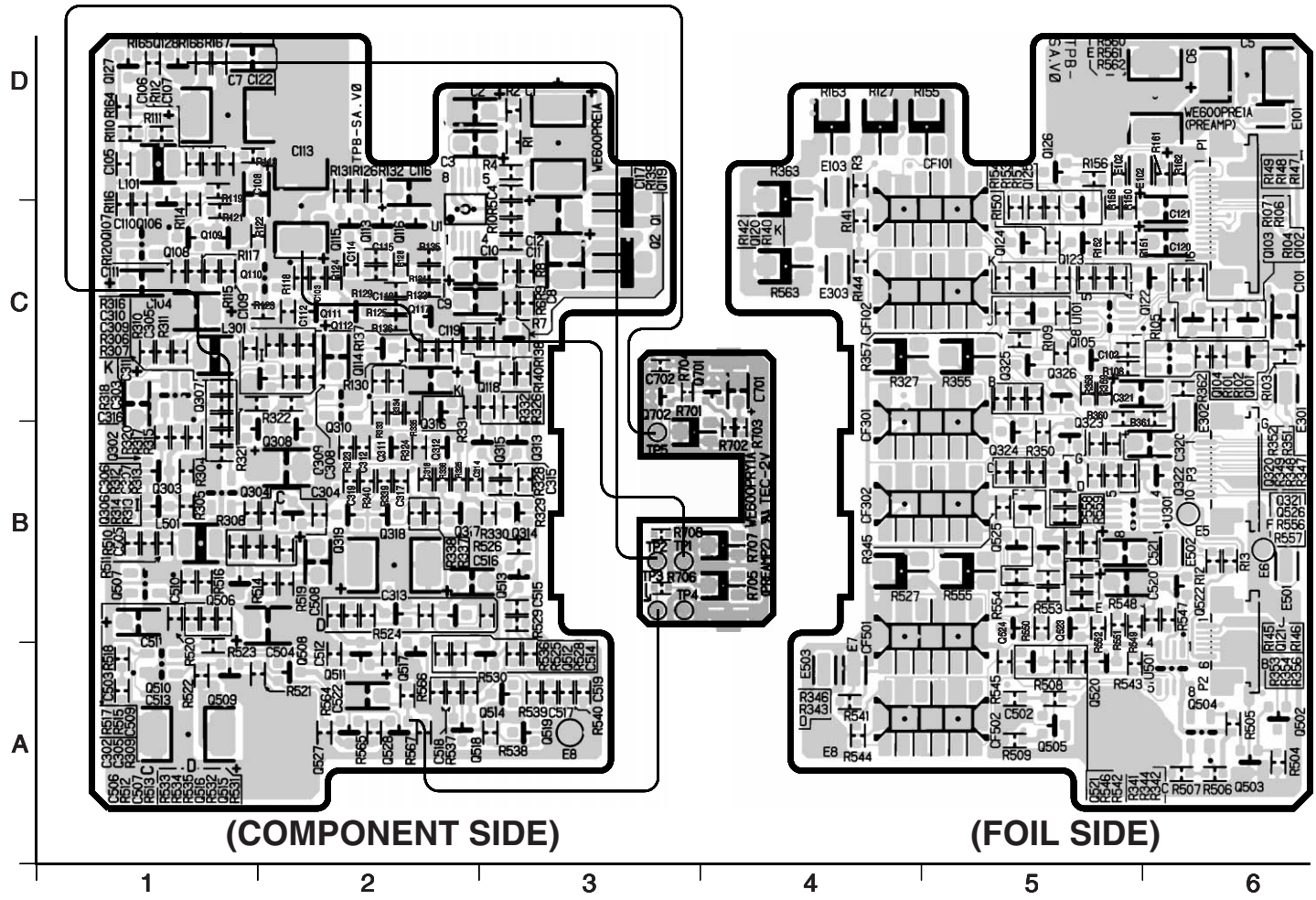


(FOIL SIDE)



(COMPONENT SIDE)

PREAMP2 P.C.B. (WE600PKY1A)
PREAMP P.C.B. (WE600EKE1B)



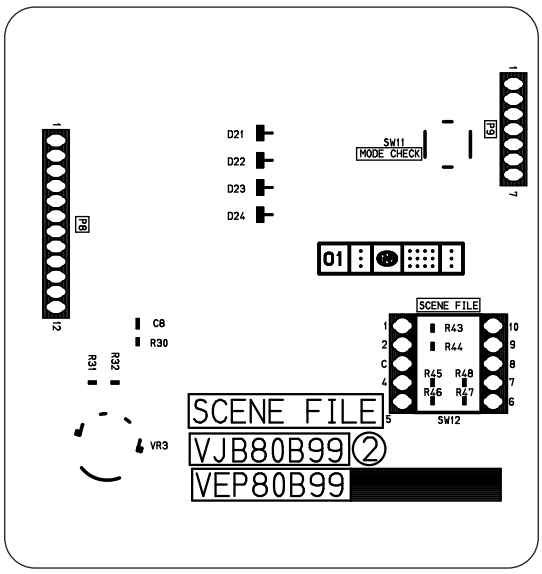
< INDEX >
PREAMP. BOARD

U1	C2	Q122	C6	Q323	B5	Q526	B5
U101	C5	Q123	C5	Q324	B5	Q527	A2
U301	B5	Q124	C5	Q325	C5	Q528	A2
U501	A6	Q125	C5	Q326	C5		
		Q126	D5	Q502	A6		
Q1	C3	Q127	D1	Q503	A6		
Q2	C3	Q128	D1	Q504	A6		
Q101	C6	Q302	B1	Q505	A5		
Q102	C6	Q303	B1	Q506	B1		
Q103	C6	Q304	B1	Q507	B1		
Q104	C6	Q305	B2	Q508	A2		
Q105	C5	Q306	C2	Q509	A1		
Q106	C1	Q307	C1	Q510	A1		
Q107	C1	Q308	B2	Q511	A2		
Q108	C1	Q309	B2	Q512	A3		
Q109	C1	Q310	C2	Q513	B3		
Q110	C2	Q311	B2	Q514	A3		
Q111	C2	Q312	B2	Q515	B2		
Q112	C2	Q313	B3	Q516	B2		
Q113	C2	Q314	B3	Q517	A2		
Q114	C2	Q315	B3	Q518	A2		
Q115	C2	Q316	C2	Q519	A3		
Q116	C2	Q317	B2	Q520	A5		
Q117	C2	Q318	B2	Q521	A5		
Q118	C2	Q319	B2	Q522	B6		
Q119	C3	Q320	B5	Q523	B5		
Q120	C5	Q321	B5	Q524	B5		
Q121	C5	Q322	B6	Q525	B5		

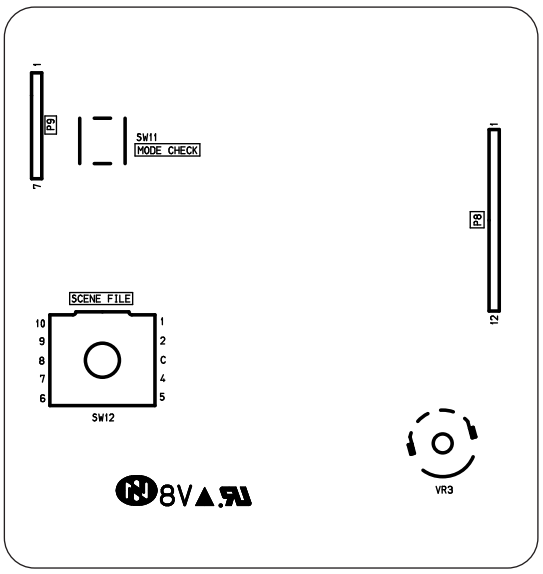
< INDEX >
PREAMP.–SUB BOARD

Q701	C4
Q702	C3

SCENE FILE P.C.B. (VEP80B99A)

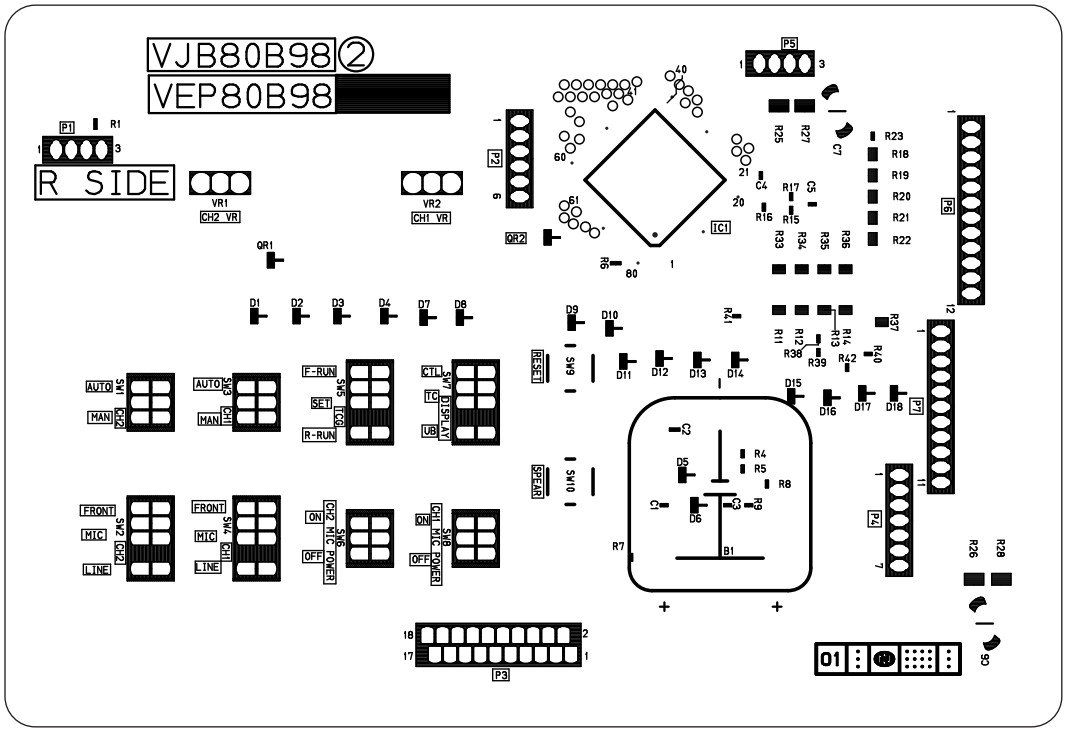


(FOIL SIDE)

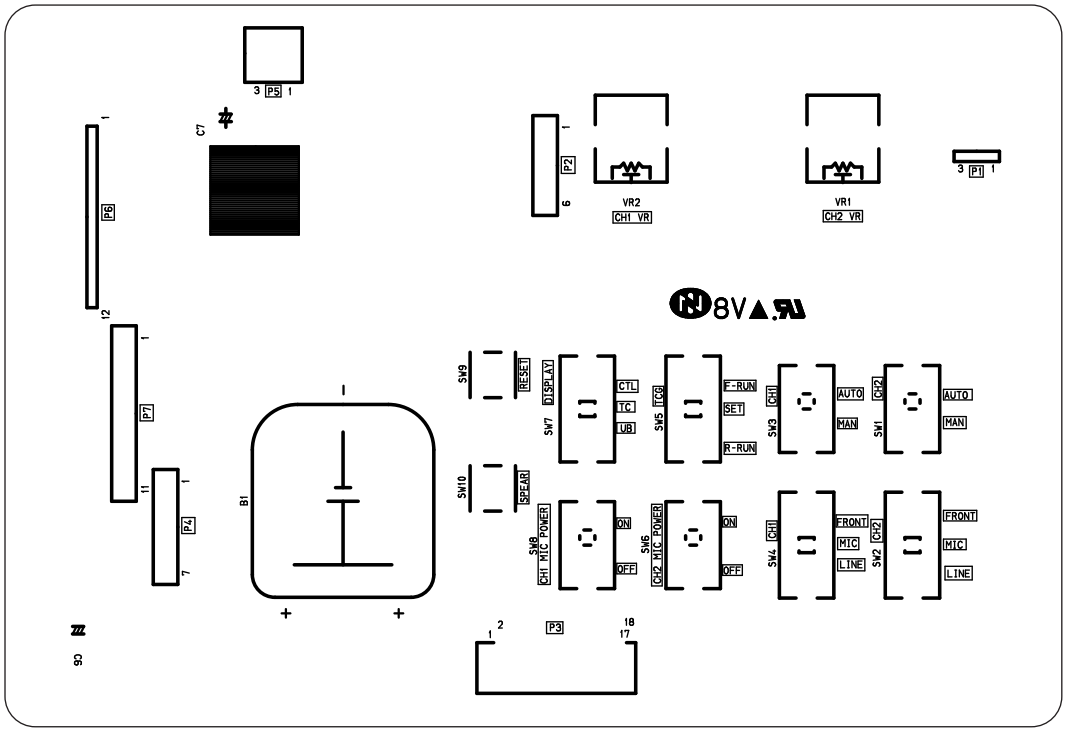


(COMPONENT SIDE)

R SIDE P.C.B. (VEP80B98A)

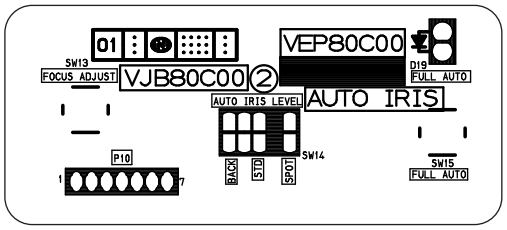


(FOIL SIDE)

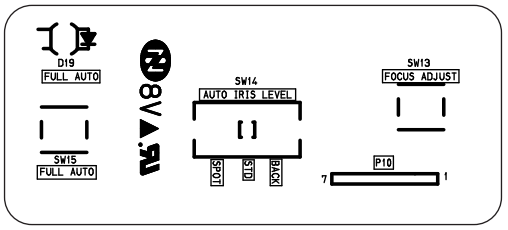


(COMPONENT SIDE)

AUTO IRIS P.C.B. (VEP80C00A)

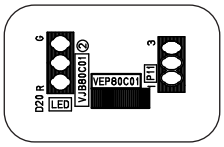


(FOIL SIDE)

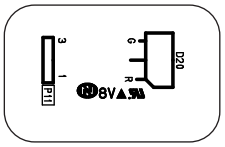


(COMPONENT SIDE)

LED P.C.B. (VEP80C01B)

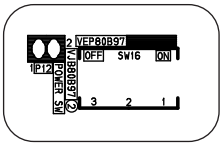


(FOIL SIDE)

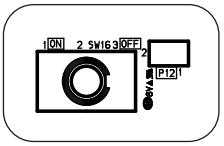


(COMPONENT SIDE)

POWER SW P.C.B. (VEP80B97A)

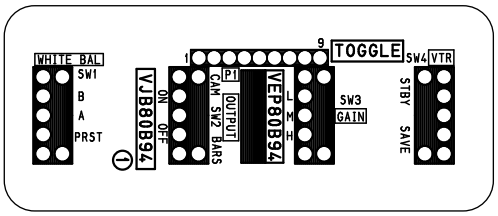


(FOIL SIDE)

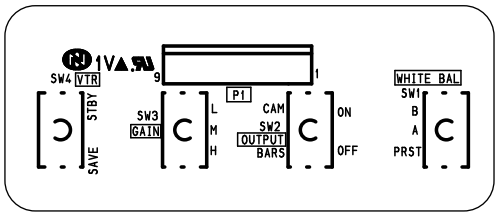


(COMPONENT SIDE)

TOGGLE SW P.C.B. (VEP80B94A)

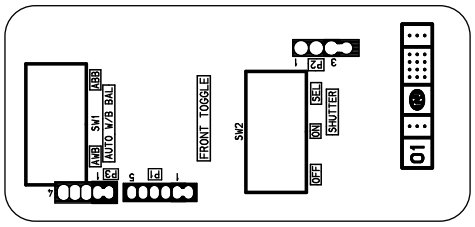


(FOIL SIDE)

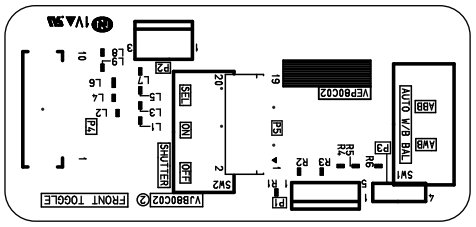


(COMPONENT SIDE)

FRONT TOGGLE SW P.C.B. (VEP80C02A)

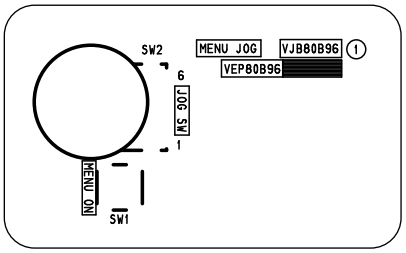


(FOIL SIDE)

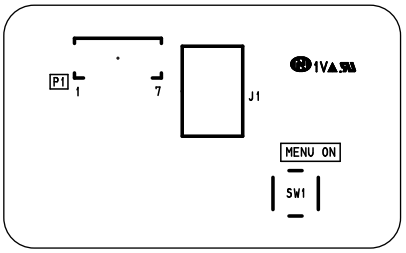


(COMPONENT SIDE)

MENU JOG P.C.B. (VEP80B96A)

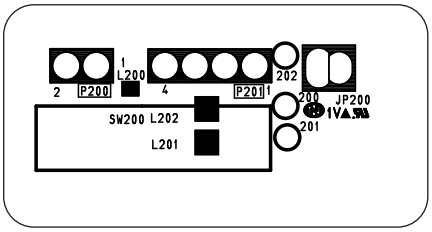


(FOIL SIDE)

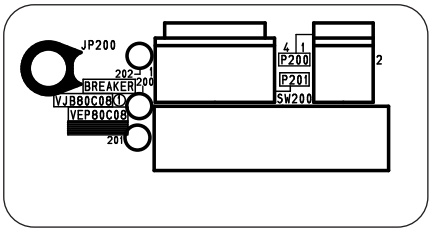


(COMPONENT SIDE)

BREAKER P.C.B. (VEP80C08A)

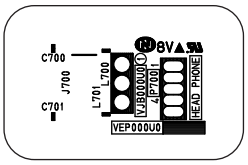


(FOIL SIDE)

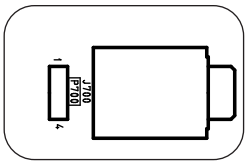


(COMPONENT SIDE)

HEAD PHONE P.C.B. (VEP000U0A)

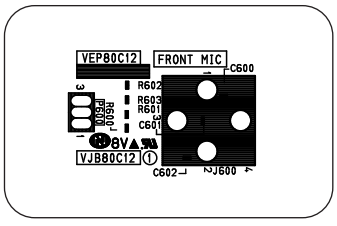


(FOIL SIDE)

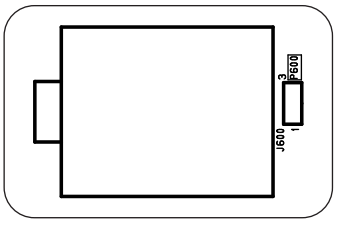


(COMPONENT SIDE)

FRONT MIC P.C.B. (VEP80C12A)



(FOIL SIDE)



(COMPONENT SIDE)

SECTION 8

EXPLODED VIEWS
&
REPLACEMENT PARTS LIST

Note:

1. *Be sure to make your orders of replacement parts according to this list.
2. Unless otherwise specified, all resistors are in OHMS, K=1,000 OHMS, all capacitors are in MICROFARADS (μF), P=μμF.
3. The P.C. Board untils marked with "■" shown below the main assembled parts.
4. The parts marked with Ⓔ on the exploded view show the electric parts.
5. IMPORTANT SAFETY NOTICE
   Components identified with the mark ⚠ have the special characteristics for safety. When replacing any of these components, use only the same type.
6. The marking (RTL) indicates the retention time is limited for this item.
   After the diacontinuation of this assembly in production, it will no longer be available.

CONTENTS

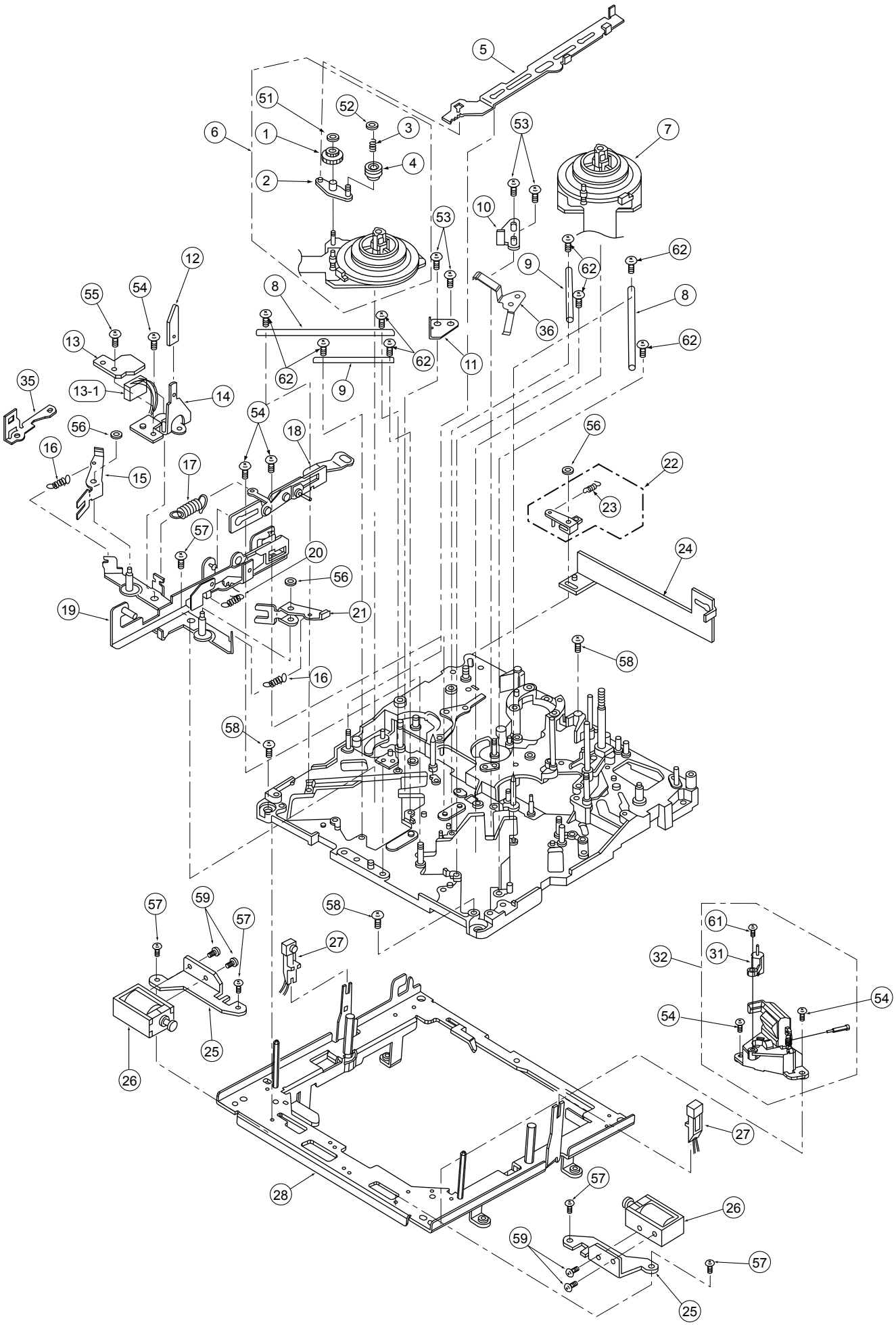
MECHANICAL CHASSIS ASSEMBLY (1) PRT-1
MECHANICAL CHASSIS ASSEMBLY (2) PRT-3
CHASSIS FRAME ASSEMBLY (1) PRT-5
CHASSIS FRAME ASSEMBLY (2) PRT-7
CASSETTE UP ASSEMBLY PRT-9
PACKING PARTS ASSEMBLY PRT-11
ELECTRICAL REPLACEMENT PARTS LIST PRT-12

SERVICING FIXTURES & TOOLS

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
1	VFK1145A	BACK TENSION METER	1	
2	VFK1149A	POST DRIVER	1	
3	VFK71A	DIAL TORQUE GAUGE (1.5cN.m)	1	150g
4	VFK1191A	DIAL TORQUE GAUGE (0.45cN.m)	1	45g
5	VFK1152	DIAL TORQUE GAUGE ADAPTOR	1	
6	VFK0357	ECCENTRIC SCREWDRIVER (1.5mm)	1	
7	VFK1154	POST HEIGHT FIXTURE	1	
8	VFK1348	MECHANICAL NEUTRAL PLATE	1	
9	VFK1155	REV POSITION TOOL (silver)	1	
10	VFK1156	PLAY POSITION TOOL (black)	1	
11	VFK1208	NEUTRAL POSITION TOOL (black with hole)	1	
12	VFK1150	NUT DRIVER (5.5mm)	1	
13	VFK1151	NUT DRIVER (2.5mm)	1	
14	VFK1188A	DIAL TENSION GAUGE	1	
15	VFK0948A	CHECK LIGHT	1	
16	VFK0749	FROIRAL GREASE (white)	1	For plastic part
17	M0R265	MORYTONE GREASE (black)	1	For metal part
18	VFK1146	PHILIPS DRIVER (FINE) (00-75)	1	
19	VFK1147	PHILIPS DRIVER (FINE) (0-100)	1	
20	VFK1148	HEX. DRIVER (1.5mm)	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
21	VFK1178	HEX. DRIVER (0.89mm)	1	
22	VFK1179	HEX. DRIVER (0.71mm)	1	
23	VFK1190	HEX. WRENCH	1	0.4 kgf cm-3kgf cm
24	VFK1209A	TOQUE DRIVER (0.4 cNm-30 cNm)	1	
25	VFK1375	POST AXIS DRIVER (1.5mm)	1	
26	VFK1300	A/D BOARD (DAQ-12 QUATECH)	1	
27	VFM3580KL	DVCPRO ALIGNMENT TAPE (No.1) FOR NTSC	1	
28	VFM3581KL	DVCPRO ALIGNMENT TAPE (No.2) FOR NTSC	1	
29	VFM3582KL	DVCPRO ALIGNMENT TAPE (No.3) FOR NTSC	1	
30	VFK1409S	MEASURING BOARD	1	
31	VFK1590	C PLD WRITER	1	
32	AJ-CL12MP	CLEANING TAPE	1	SALES Route
33	VFK1423	TAPE BEG./END DETECTION CASSETTE	1	
34	VFK1481b	LISTA SOFTWARE	1	
35	VFK1186	LISTA CABLE	1	
36	VFK0906	LUBRICATION OIL	1	
37	VZZ0095	CLEANING CLOTH	1	

MECHANICAL CHASSIS ASSEMBLY (1)

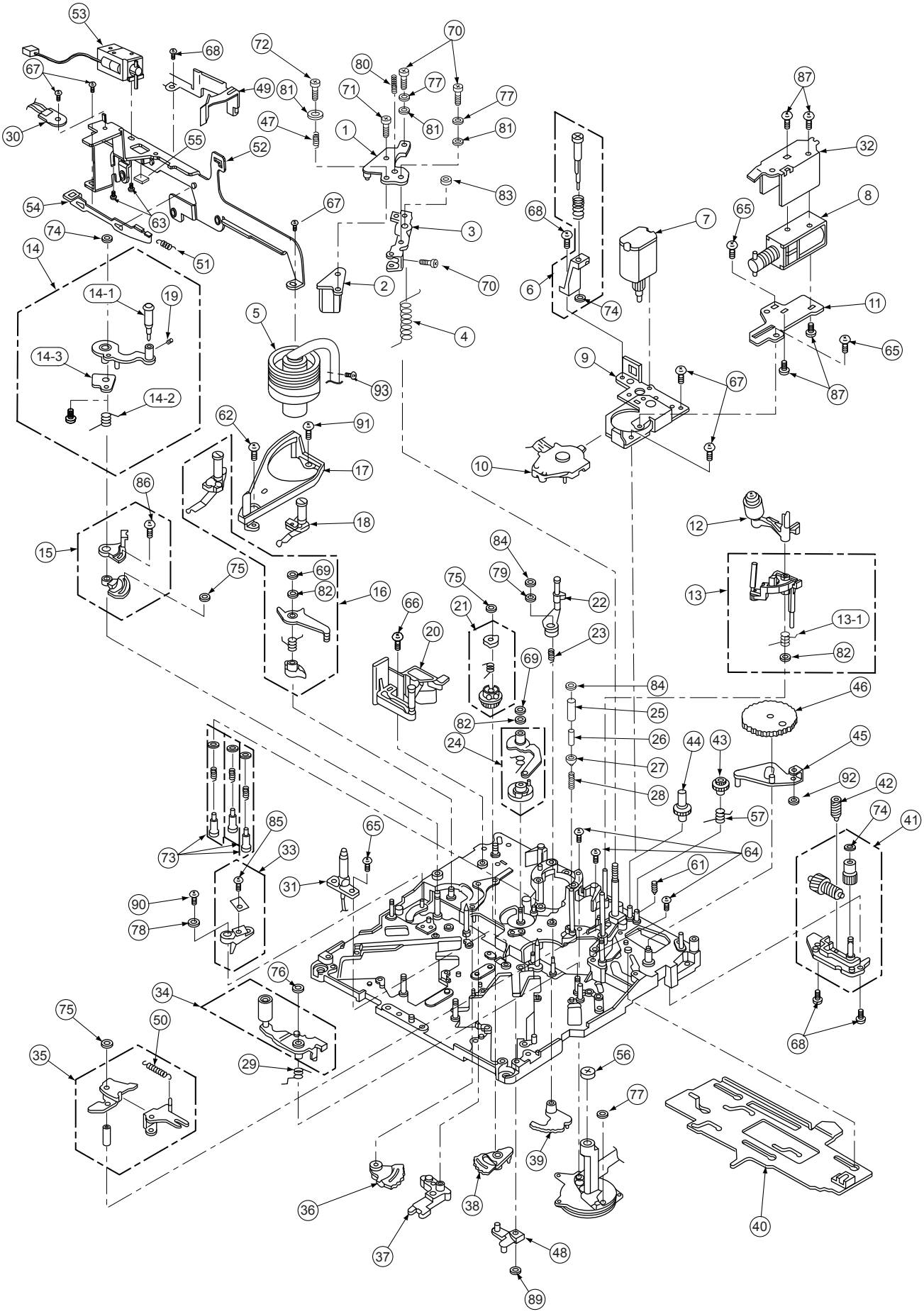


MECHANICAL CHASSIS ASSEMBLY (1)

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
1	VDG1189	IDLER GEAR A	1	
2	VXL2614	IDLER ARM ASS'Y	1	
3	VMB3011	IDLER SPRING	1	
4	VXP1700	IDLER GEAR ASS'Y	1	
5	VMM0422	E-E ROD	1	
6	VEM0658	S REEL MOTOR ASS'Y	1	(M)
7	VEM0659	T REEL MOTOR ASS'Y	1	(M)
8	VMS5923	REEL OUTER RAIL	2	
9	VMS5924	REEL INNER RAIL	2	
10	VMA9727	RAIL TABLE STOPPER (T)	1	
11	VMA0G63	REEL TABLE STOPPER (S)	1	
12	VMD2588	BRAKE RELEASE	1	
13	VEK7694C	CASSETTE DOWN PHOTO ASS'Y	1	
13-1	0N1004-R	PHOTO INTERRUPTER	1	
14	VMA9729	LOCK RELEASE BASE	1	
15	VXL3062	S BRAKE ARM	1	
16	VMB3137	S BRAKE SPRING L	2	
17	VMB3139	SLIDE ROD SPRING	1	
18	VXL2754	SLIDE ROD	1	
19	VXA5892	BRAKE BASE	1	
20	VMB3168	LOCK SPRING	1	
21	VXL3063	T BRAKE ARM	1	
22	VXL2615C	CONNECTION ARM B	1	
23	VMB2973	ARM RELEASE SPRING	1	
24	VXL2653C	CONNECTION ARM C	1	
25	VMA9387	SOLENOID BASE	2	
26	VSJ0216	SOLENOID	2	(M)
27	VEK7692	SENSOR HOLDER	2	
28	VXK1661C	SUB CHASSIS	1	
31	VSS0510	CONTROL SWITCH	1	
32	VXA6254	L SWITCH BASE B ASS'Y	1	
35	VMA9784	LOCK PIN GUIDE PLATE	1	
36	VMA0G47	EARTH CONDUCTOR	1	
51	VMX1061	WASHER	1	
52	VMX2391	CUT WASHER	1	
53	XYN2+J5	SCREW	4	
54	XQN2+CF4	SCREW	5	
55	XQN2+A3	SCREW	1	
56	VMX0967	CUT WASHER	3	
57	XQN2+CF3	SCREW	5	
58	XYN3+C5	SCREW	3	
59	XQN2+A2	SCREW	4	
61	XQN2+CJ5	SCREW	1	
62	VHD0995	SCREW	8	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks

MECHANICAL CHASSIS ASSEMBLY (2)

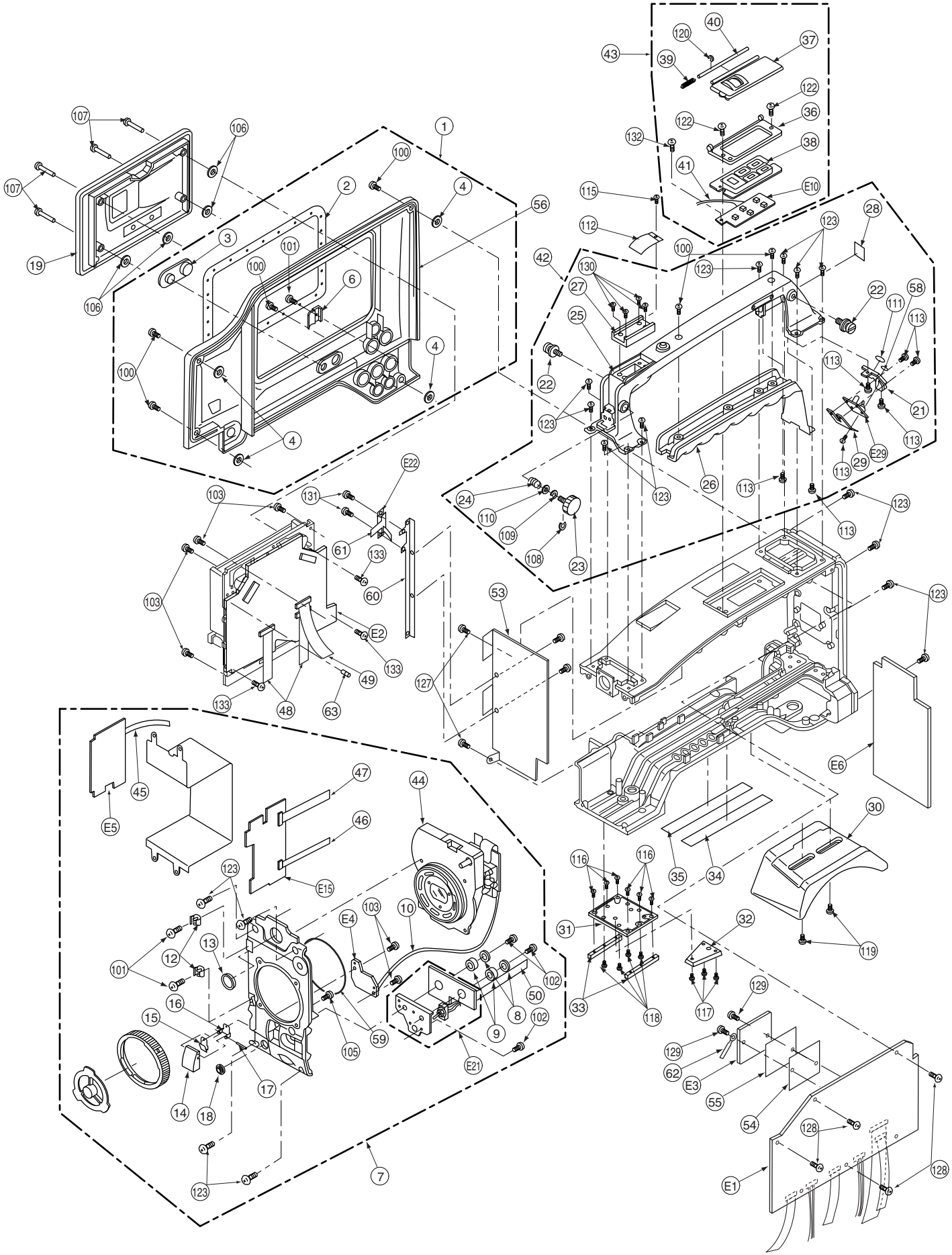


MECHANICAL CHASSIS ASSEMBLY (2)

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
1	VXA5554	A/C HEAD BASE (1) ASS'Y	1	
2	VED0419	A/C HEAD	1	(M)
3	VXA6067	A/C HEAD BASE (2) ASS'Y	1	
4	VMB2935	A/C HEAD HIGHT SPRING	1	
5	VEG1499	CYLINDER UNIT	1	(M)
6	VXA5715C	EMARGENCY SHAFT HOLDER ASS'Y	1	
7	VEM0645C	LOADING MOTOR (1) ASS'Y	1	
8	VSJ0227	PINCH SOLENOID	1	(M)
9	VXA5584C	MOTOR ANGLE ASS'Y	1	
10	VES0918C	MODE SW ASS'Y	1	
11	VMA0A35	PINCH SOLENOID BASE	1	
12	VXL3027C	CLEANING ARM ASS'Y	1	
13	VXL2870C	T2 ARM ASS'Y	1	
13-1	VMB3304	T2 ARM SPRING	1	
14	VXL2831	TENSION ARM A ASS'Y	1	(M)
14-1	VXP1761	TENSION ROLLER	1	
14-2	VMB3220	TENSION LEG SPRING	1	
14-3	VXA6173	MAGNET HOLDER ASS'Y	1	
15	VXA5791C	TENSION REG. SPRING HOOK	1	
16	VXL2709	S1 LOADING ARM ASS'Y	1	(M)
17	VMD3731	LOADING RAIL	1	
18	VXA6378	T1 BOAT ASS'Y	1	(M)
19	VHD0561	HEX SCREW	1	
20	VXA6052	S POST BASE A ASS'Y	1	(M)
21	VXP1683C	T4 CONNECTION GEAR ASS'Y	1	
22	VXL2772	T4 ARM ASS'Y	1	
23	VMB2772	T4 THRUST SPRING	1	
24	VXL2954	T LOADING ARM ASS'Y	1	
25	VMS5906	T3 UPPER FRANGE	1	
26	VMS5905	T3 SLEEVE	1	
27	VMS5904	T3 LOWER FRANGE	1	
28	VMB2929	T3 SPRING	1	
29	VMB2933	PINCH RELEASE SPRING	1	
30	VEK7927	INSULLATION SENSOR	1	EYHS77Y7
31	VEK7691	LED HOLDER P.C.BOARD	1	
32	VMA9411	PINCH SOLENOID ANGLE	1	
33	VXA5820C	TENSION SENSOR ASS'Y	1	
34	VXL2835C	PINCH ARM ASS'Y	1	
35	VXL2588C	PINCH GUIDE ARM ASS'Y	1	
36	VXA5570C	T SECTOR GEAR ASS'Y	1	
37	VXL2838C	TENSION REG. GUIDE ARM	1	
38	VXA5567C	S SECTOR GEAR ASS'Y	1	
39	VXA5564C	T4 SECTOR GEAR ASS'Y	1	
40	VXA6348	MAIN ROD ASS'Y	1	
41	VXA5627C	THRUST SHAFT HOLDER ASS'Y	1	
42	VDG1166	MOTOR WARM GEAR	1	
43	VDG1443	EMARGENCY GEAR A	1	
44	VDG1444	MOTOR EMARGENCY GEAR B	1	
45	VXL2889C	MAIN CAM ARM ASS'Y	1	
46	VDG1168	MAIN CAM GEAR	1	(M)
47	VMB2937	A/C HEAD ADJUST SPRING	1	
48	VXL2600C	EJECT ARM ASS'Y	1	
49	VMD4130	T1 GUIDE ASS'Y	1	
50	VMB2934	SPRING	1	
51	VMB3051	CLEANER RETURN SPRING	1	
52	VXA6843C	CLEANER BASE A ASS'Y	1	
53	VXA6078C	CLEANER SOLENOID ASS'Y	1	
54	VMM0429	CLEANER INTERLOCK	1	
55	VMT0871	SILENCER PAD A	1	
56	VXQ0556	THRUST SCREW ASS'Y	1	(M)
57	VMB3192	SPRING	1	
61	VHD0356	SCREW	1	
62	XQN2+A3	SCREW	1	
63	XQN2+A2	SCREW	2	
64	XQN2+A35FZ	SCREW	3	
65	XQN2+AM2	SCREW	3	
66	XQN2+CF5	SCREW	1	
67	XQN2+CF3	SCREW	5	
68	XQN2+CF4	SCREW	4	
69	XUC12FP	E-RING	2	
70	XVE2B4FZ	HEX SCREW	3	
71	XVE2B6FP	HEX SCREW	1	
72	XVE2B12FP	HEX SCREW	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
73	VXQ0439	SCREW	3	
74	VMX0967	CUT WASHER	3	
75	VMX1061	WASHER	3	
76	VMX1079	CUT WASHER	1	
77	XWA2B	WASHER	3	
78	XWE2	WASHER	1	
79	XWE16VW	WASHER	1	
80	XXE2A6FP	HEX SCREW	1	
81	XWG2	WASHER	3	
82	XWGV15Z32G	WASHER	3	
83	VHD0045	NYLON NUT	1	
84	VHN0312	NUT	2	
85	XQN2+AQ3.5FZ	SCREW	1	
86	XQN2+AJ5	SCREW	1	
87	XQN2+A15	SCREW	4	
88	XQN2+A4FZ	SCREW	1	
89	VMX0967	CUT WASHER	1	
90	XQN2+A2	SCREW	1	
91	XQN2+CM3	SCREW	1	
92	XYN2+J5	SCREW	1	
93	XYN2+K4	SCREW	1	
*	VXY1650	MECHANISM	1	

CHASSIS FRAME ASSEMBLY (1)



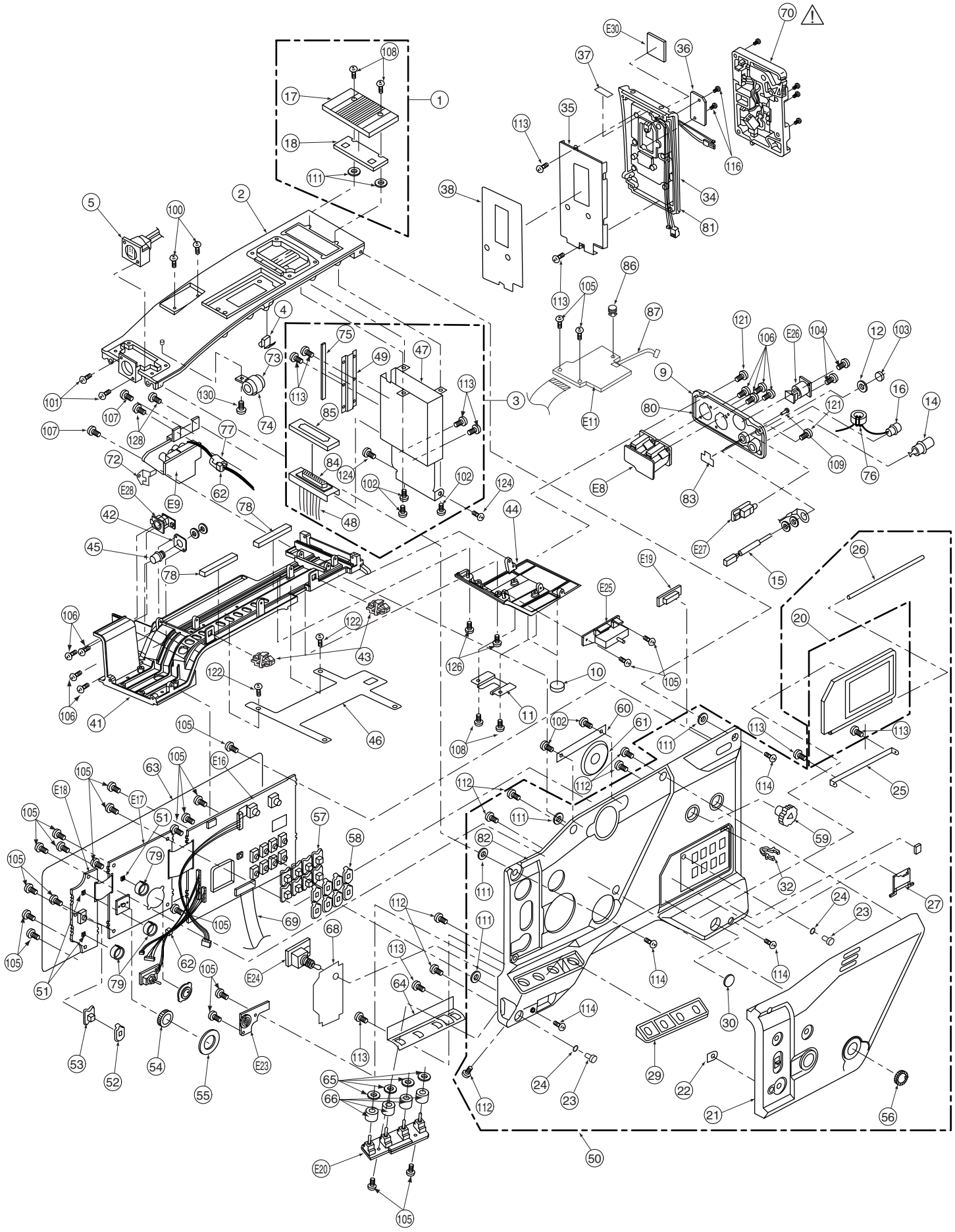
CHASSIS FRAME ASSEMBLY (1)

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
1	VYP8313	SIDE CASE (L) ASS'Y	1	
2	VMG1316	CASSETTE WATERPROOF GUM	1	
3	VMG1270	E.E CAP	1	
4	VMX1558	NYLON WASHER	4	
6	VJF0804	CABLE CLAMPER	1	
7	VYK9834	FRONT CASE (1) ASS'Y	1	
8	VMG0646	INSULATION SHEET	2	
9	VMT0738	SW INSULATION CUSHION	2	
10	VEE0N28	VTR S/S CABLE	1	
12	VJF1256	CABLE CLAMPER	2	
13	VMG0948	EVF RUBBER SHIELD	1	
14	VKF2485	FRONT DOOR	1	
15	VMC1210	FRONT DOOR SPRING	1	
16	VMP4850	FRONT DOOR ANGLE	1	
17	VMS4088	FRONT DOOR ANGLE PIN	1	
18	VGU8992	RUBBER BUSH KNOB	1	
19	VYF2689	CASSETTE COVER ASS'Y	1	
21	VGL0783	TALLY COVER	1	
22	VMS4284	BELT HOOK PIN	2	
23	VGU7080	SIDE U LOCK KNOB	1	
24	VMB1615	SPRING	1	
25	VKH0400	HANDLE	1	
26	VKF3338	HANDLE COVER	1	
27	VJF1421	SHU	1	
28	VMP7030	HANDLE SPACER	1	
29	VMP6780	BACK TALLY C.B.A. HOLDER ANGLE	1	
30	VMT1198	SHOULDER PAD	1	
31	VGM1824	FRONT FOOT BASE	1	
32	VGM1825	FRONT V EDGE	1	
33	VKA0299	FRONT FOOK	2	
34	VKN0159	BOTTOM NET	1	
35	VMT1200	BOTTOM CUSHION	1	
36	VGK2304Z	VTR OPERATION BASE	1	
37	VKF2817Z	VTR OPERATION DOOR	1	
38	VGU8218	VTR OPERATION BUTTON	1	
39	VMB2917	DOOR SPRING	1	
40	VMS5860	DOOR SHAFT	1	
41	VEE0N17	OPERATE CABLE	1	
42	VYH0297	HANDLE ASS'Y	1	
43	VYP8110	TOP PLATE OPERATION ASS'Y	1	
44	VEQ2452	HEAD OPTICAL ASS'Y	1	
45	VWJ21E5140L0	FLAT CABLE	1	
46	VWJ06E5100L0	FLAT CABLE	1	
47	VWJ16E5080L0	FLAT CABLE	1	
48	VWJ24E5075L0	FLAT CABLE	2	
49	VWJ40E5095L0	FLAT CABLE	1	
50	VWJ20E5100L0	FLAT CABLE	1	
53	VGF0901	BLIND PLATE	1	
54	VSC5302	VTR-SUB SHIELD PLATE	1	
55	VMZ3214	VTR-SUB INSULATION SHEET	1	
56	VMG1419A	SHIELD TUBE	1	
58	VMG0955	TOP PANEL	1	
59	VMG1416	WATERPROOF RUBBER	1	
60	VMP7023	D-SUB ANGLE	1	
61	VWJ20E5120L0	FLAT CABLE	1	
62	SHR330	CLAMPER	1	
63	VMS6032	SPACER	1	
100	XSB3+10FZ	SCREW	6	
101	XSB2+4FZ	SCREW	3	
102	XYN3+C6	SCREW	3	
103	XYN3+K6	SCREW	6	
105	XYN2+C4	SCREW	1	
106	VMX2605	WASHER	4	
107	XSB26+16FZ	SCREW	4	
108	XUC3FP	E-RING	1	
109	XWA4BFZ	WASHER	1	
110	XWE4FZ	WASHER	1	
111	VMG0956	P8 O-RING	1	
112	VMC1697	SPRING	1	
113	XYN2+F5	SCREW	7	
115	XSN2+4FC	SCREW	1	
116	XTS26+6J	SCREW	6	
117	XSB4+6FC	SCREW	3	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
118	XSS3+8FZ	SCREW	4	
119	XYN3+F8	SCREW	2	
120	XUC12VM	E-RING	1	
122	XSN2+6FZ	SCREW	2	
123	XSB3+8FZ	SCREW	16	
127	XYN26+C6	SCREW	2	
128	XYN26+F6FX	SCREW	4	
129	XYN26+K5	SCREW	2	
130	XSS2+6FZ	SCREW	4	
131	VHD1462	SCREW	2	
132	XTN2+4G	SCREW	1	
133	XYN26+K6	SCREW	3	
E1	VEP83551C	MAIN C.B.A.	1	
E2	VEP82241C	RF & SERVO C.B.A.	1	
E3	VEP83579A	VTR SUB C.B.A.	1	
E4	VEP80C03A	VTR S/S C.B.A.	1	
E5	WE600EKF1B	DRIVE C.B.A.	1	
E6	VEP81220C	POWER C.B.A.	1	
E10	VEP86149A	OPERATE C.B.A.	1	
E15	WE600EKE1B	PRE AMP P.C.BOARD	1	
E21	VEP80C02A	FRONT TOGGLE SW C.B.A.	1	
E22	VEP80C20A	REMOTE MAINTENANCE C.B.A.	1	
E29	VEP80A74A	BACK TALLY C.B.A.	1	

Components identified with the mark⚠have the special characteristics for safety.
When replacing any of these components, use only the same type.

CHASSIS FRAME ASSEMBLY (2)



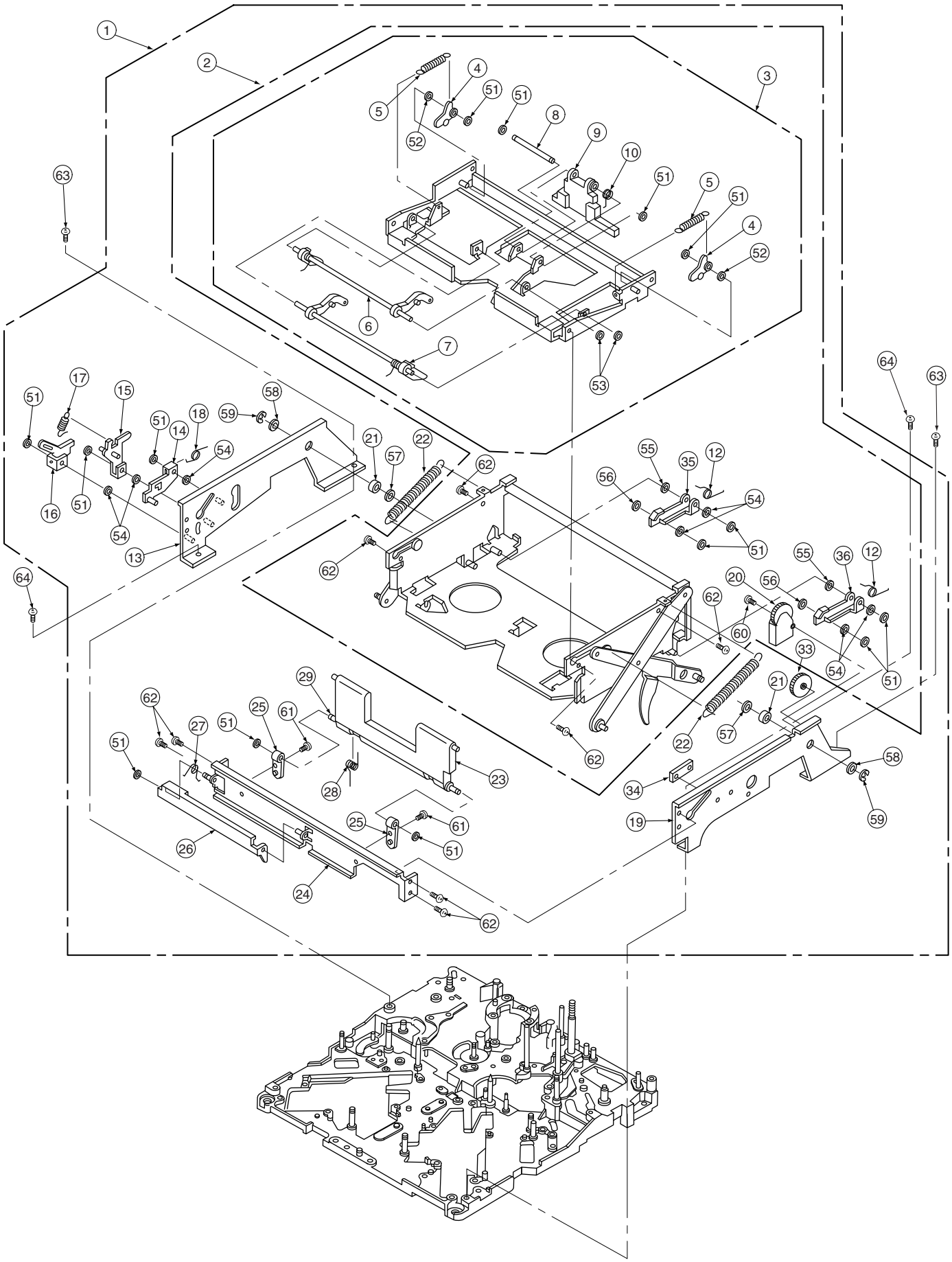
CHASSIS FRAME ASSEMBLY (2)

Components identified with the mark⚠have the special characteristics for safety.
When replacing any of these components, use only the same type.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
1	VYF2800	RECEIVER COVER ASS'Y	1	
2	VGM1782	TOP CASE	1	
3	VXA7313	RECEIVER BOX ASS'Y	1	
4	VJF0909	CABLE CLAMPER	1	
5	VEE0N18	VE CABLE	1	
9	VGM1820	JACK CASE	1	
10	VMG0954	REAR FOOT	2	
11	VMP6370	BACK LOCK ANGLE	1	
12	VMX0531	CLATCH SPACER	1	
14	VJJ0091	BNC JACK	1	
15	VEE0N27	GELOCK CABLE	1	
16	VEE0Q37	DC OUT CABLE	1	
17	VGF0885	RECEIVER COVER	1	
18	VMG1378	WATERPROOF RUBBER	1	
20	VYF2790	OPERATION DOOR ASS'Y	1	
21	VMT1253	FACE PAD	1	
22	VGL0924	LED SPRING LIGHT	1	
23	VGU7698	OPERATION BUTTON	2	
24	VMG1418	RAIN COVER RUBBER (B)	2	
25	VMP7025	DOOR FIX ANGLE	1	
26	VMS5520	OPERATION DOOR SHAFT	1	
27	VKF3340	BATTERY HOLDER DOOR	1	
29	VGK2705	TOGGLE SW PLATE	1	
30	VMG1417	BRAKER CAP	1	
32	VGQ0550	HOLDER	1	
34	VGM1783	BACK CASE	1	
35	VSC5295	BACK CASE COVER	1	
36	VGF0709	BACK CASE COVER	1	
37	VGF0890	BATTERY CABLE HOLD PLATE	1	
38	VMZ3150	INSULATION SHEET	1	
41	VGM1784	BOTTOM CASE	1	
42	VMP4853	LENS CONNECTOR PLATE	1	
43	VJF1309	PIERCE HOLDER	2	
44	VEJ1992	JACK CASE ASS'Y	1	
45	VEE0N09	LENS CABLE	1	
46	VKC0584	SIDE R HINGE SHEET	1	
47	VMP6776	RECEIVER BOX (A)	1	
48	VMP7041	RECEIVER BOX (B)	1	
49	VMP6778	RECEIVER BOX (C)	1	
50	VYP8312	SIDE CASE (R) 1 ASS'Y	1	
51	VGU8993	OPERATION BUTTON	3	
52	VGU8843	IRIS LEVEL KNOB	1	
53	VMG1379	IRIS LEVEL KNOB RUBBER	1	
54	VGU8844	SCENE FILE KNOB	1	
55	VMG1380	SCENE FILE KNOB RUBBER	1	
56	VGU7077	VR KONB A	1	
57	VGU7688	SLIDE SW COVER	8	
58	VQL0L39	SLIDE SW SHEET	8	
59	VGU6512	VR KNOB	2	
60	VMP3332	CODE CLAMPER	1	
61	VEK9293	SPEAKER ASS'Y	1	
62	VJF1158	CLAMPER	1	
63	VMZ3134	INSULATION SHEET	1	
64	VSC5250	SIDE R EARTH ANGLE	1	
65	VMG0646	INSULATION SHEET	4	
66	VMT0738	SW INSULATION CUSHION	4	
68	VMZ3168	POWER_SW INSULATION SHEET	1	
69	VWJ18C2140L0	FLAT CABLE	1	
⚠ 70	VJF1347	BATTERY HOLDER	1	
72	VSC5273	SHIELD ANGLE	1	
73	VLP0186	FERRITE CORE	1	J0KE00000027
74	VJF0980	CLAMPER	1	
75	VMT0517	CONDUCTIVE GASKET	1	
76	J0KE00000022	FERRITE CORE	1	
77	J0KG00000011	FERRITE CORE	1	
78	VMT0803	GASKET	2	
79	VGQ6174	BUTTON SUPPORTER	3	
80-82	VMG1419A	SHIELD TUBE	3	
83	VGF0898	DV BLINDER	1	
84	VEE0S35	25P HARNESS	1	
85	VMT1265	CUSHION	1	
86	VKC0554	SPACER	1	
87	VEE0S34	CUE2 HARNESS	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
100	XSB4+4FZ	SCREW	2	
101	XSS2+4FZ	SCREW	2	
102	XYN3+C4	SCREW	5	
103	VHN0194	SPACER	1	
104	XSN26+6FC	SCREW	2	
105	XYN26+K6	SCREW	23	
106	XSN26+8FZ	SCREW	8	
107	XYN3+C6	SCREW	2	
108	XSB3+6FZ	SCREW	4	
109	XQN16+B4FZ	SCREW	1	
111	VMX1558	NYLON WASHER	6	
112	XTV3+6GFZ	SCREW	7	
113	XYN26+C4	SCREW	10	
114	XSB3+10FZ	SCREW	4	
116	XSB3+4FZ	SCREW	2	
121	XSN3+6FZ	SCREW	2	
122	VHD0325	SCREW	2	
124	XYN26+C6	SCREW	2	
126	XSB3+8FZ	SCREW	2	
128	XYN26+C6	SCREW	2	
130	XYN3+F6	SCREW	1	
E8	VEP80C06B	REAR JACK C.B.A.	1	
E9	VEP80C07B	AV OUT C.B.A.	1	
E11	VEP84376A	CUE C.B.A.	1	
E16	VEP80B98A	R SIDE C.B.A.	1	
E17	VEP80B99A	SCENE FILE C.B.A.	1	
E18	VEP80C00A	AUTO IRIS C.B.A.	1	
E19	VEP80C01B	LED C.B.A.	1	
E20	VEP80B94A	TOGGLE SW C.B.A.	1	
E23	VEP80B96A	MENU JOG C.B.A.	1	
E24	VEP80B97A	POWER SW C.B.A.	1	
E25	VEP80C08A	BREAKER C.B.A.	1	
E26	VEP00X87D	DC INPUT C.B.A.	1	
E27	VEP000U0A	HEAD PHONE C.B.A.	1	
E28	VEP80C12A	FRONT MIC C.B.A.	1	
E30	VEP000W0A	FILTER C.B.A.	1	

CASSETTE UP ASSEMBLY

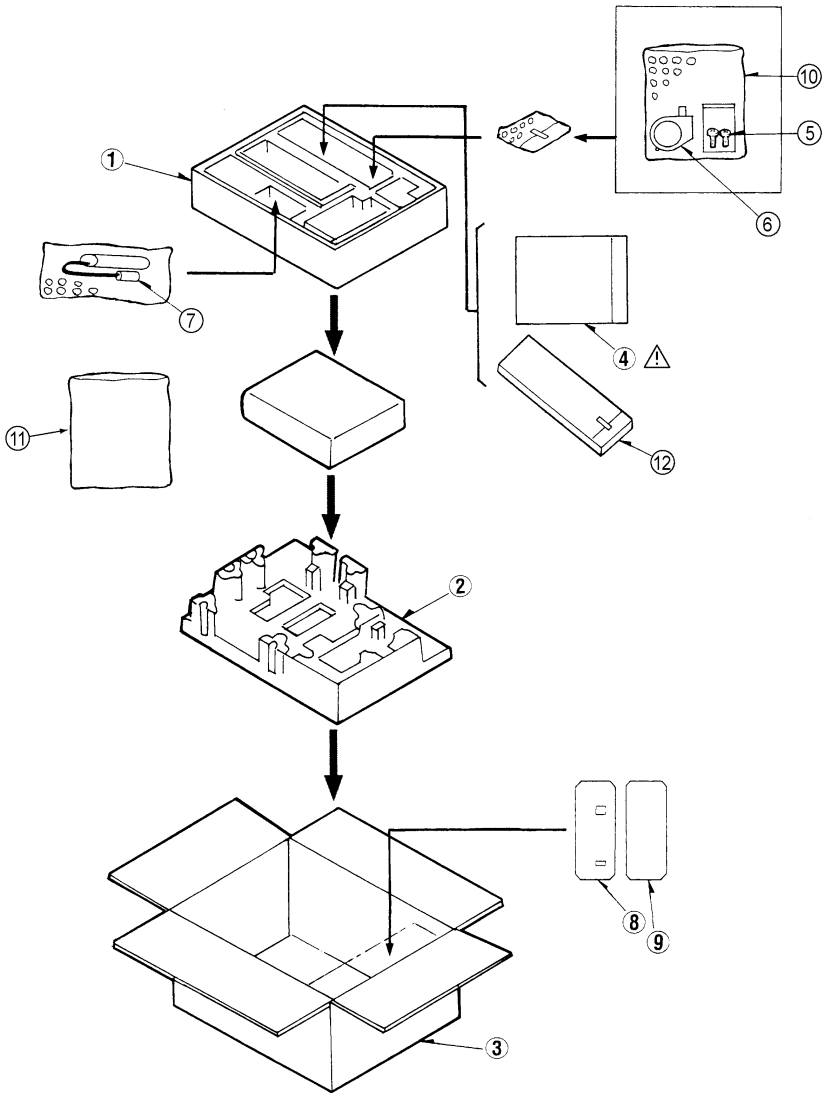


CASSETTE UP ASSEMBLY

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
1	VXA7343	CASSETTE UP ASS'Y	1	
2	VXA7338	HOLDER	1	
3	VXA6882	TOP PLATE	1	
4	VXL2696	PRESSURE LEVER	2	
5	VMB3063	PRESSURE LEVER SPRING	2	
6	VXA5896	PROTECTOR SHAFT (2) L	1	
7	VXA5897	PROTECTOR SHAFT (2) R	1	
8	VMS6198	PROTECTOR SHAFT	1	
9	VMD2789	PROTECTOR SHAFT (1)	1	
10	VMB3135	SHAFT RELESE SPRING	1	
12	VMB3140	LOCK RELEASE LEVER SPRING	2	
13	VXA6885	SIDE PLATE (L)	1	
14	VXL3050	RATCHET ARM	1	
15	VXL3060	RATCHET LOCK LEVER	1	
16	VXL3052	RATCHET LEVER	1	
17	VMB2981	RATCHET SPRING	1	
18	VMB3146	LOCK LEVER SPRING	1	
19	VXA6886	SIDE PLATE (R)	1	
20	VXP0891	DUMPER	1	
21	VDP0967	MAIN ARM ROLLER	2	
22	VMB3133	UP SPRING	2	
23	VXA6853	PROTECTOR PLATE	1	
24	VXA6887	BACK PLATE	1	
25	VMD2793	SHAFT	2	
26	VML3555	RATCHET TIMING LEVER	1	
27	VMB2982	SPRING	1	
28	VMB3134	PLATE RELEASE SPRING	1	
29	VMS6211	PROTECTOR PLATE SHAFT	1	
33	VDG1456	DUMPER GEAR	1	
34	VMD0997	HOLDER GUIDE	1	
35	VML3651	RELEASE LEVER (L)	1	
36	VML3652	RELEASE LEVER (R)	1	
51	VMX0967	CUT WASHER	14	
52	XWGV2D5G	WASHER	2	
53	VMX1079	CUT WASHER	2	
54	XWGV2Y5G	WASHER	7	
55	XWGV2Z5G	WASHER	2	
56	XWGV2F5G	WASHER	2	
57	XWGV4Y8G	WASHER	2	
58	XWGV3Y8G	WASHER	2	
59	XUC2FP	E-RING	2	
60	XYN2+J5	SCREW	1	
61	XQN2+A3	SCREW	2	
62	VHD1323	SCREW	8	
63	XQN2+CF3	SCREW	2	
64	XYN2+C4	SCREW	2	

PACKING PARTS ASSEMBLY

Components identified with the mark ⚠ have the special characteristics for safety.
When replacing any of these components, use only the same type.



PACKING PARTS ASSEMBLY

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
1	VPN5616	CUSHION (UPPER)	1	
2	VPN5552	CUSHION (LOWER)	1	
3	VPG0L72	PACKING CASE	1	
⚠ 4	VQT9414	OPERATING INSTRUCTIONS	1	
5	XSB4+12FXKS	SCREW	2	
6	VYC0814KIT	MIC HOLDER ASS'Y	1	
7	VSQ1187	MIC	1	
8	VYC0853	TRIPOD ADAPTOR	1	
9	VPF0890	POLYETHYLENE BAG	1	
10	VPF1016	POLYETHYLENE BAG	1	
11	VPF0724	POLYETHYLENE BAG	1	
12	VFC2588	SHOULDER BELT	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks

ELECTRICAL REPLACEMENT PARTS LIST

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
■ E1	VEP83551C	MAIN P.C.BOARD	1	(RTL)
■	VEP000X6A	CAMERA FILTER P.C.BOARD	1	(RTL)FOR VEP83551C
■ E2	VEP82241C	RF & SERVO P.C.BOARD	1	(RTL)
■	VEP85200A	REC/HEAD AMP P.C.BOARD	1	(RTL)FOR VEP82241C
■ E3	VEP83579A	VTR SUB P.C.BOARD	1	(RTL)
■ E4	VEP80C03A	VTR S/S P.C.BOARD	1	(RTL)
■ E5	WE600PKF1C	DRIVE P.C.BOARD	1	(RTL)
■ E6	VEP81220C	POWER P.C.BOARD	1	(RTL)
■ E7	WE600PKY1B	PRE AMP 2 P.C.BOARD	1	(RTL)
■ E8	VEP80C06D	REAR JACK P.C.BOARD	1	(RTL)
■ E9	VEP80C07B	AV OUT P.C.BOARD	1	(RTL)
■ E10	VEP86149A	OPERATE P.C.BOARD	1	(RTL)
■ E11	VEP84376A	CUE P.C.BOARD	1	(RTL)
■ E12	WE600PKB1B	SENSOR (R) P.C.BOARD	1	(RTL)
■ E13	WE600PKC1B	SENSOR (G) P.C.BOARD	1	(RTL)
■ E14	WE600PKD1B	SENSOR (B) P.C.BOARD	1	(RTL)
■ E15	WE600PKE1B	PRE AMP P.C.BOARD	1	(RTL)
■	VEP83564A	PRE AMP 3 P.C.BOARD	1	(RTL)
				FOR WE600PKE1B
■ E16	VEP80B98A	R SIDE P.C.BOARD	1	(RTL)
■ E17	VEP80B99A	SCENE FILE P.C.BOARD	1	(RTL)
■ E18	VEP80C00A	SUTO IRIS P.C.BOARD	1	(RTL)
■ E19	VEP80C01B	LED P.C.BOARD	1	(RTL)
■ E20	VEP80B94A	TOGGLE SW P.C.BOARD	1	(RTL)
■ E21	VEP80C02A	FRONT TOGGLE SW P.C.BOARD	1	(RTL)
■ E22	VEP80C20A	REMOTE MAINTENANCE P.C.B.	1	(RTL)
■ E23	VEP80B96A	MENU JOG P.C.BOARD	1	(RTL)
■ E24	VEP80B97A	POWER SW P.C.BOARD	1	(RTL)
■ E25	VEP80C08A	BREAKER P.C.BOARD	1	(RTL)
■ E26	VEP00X87D	DC INPUT P.C.BOARD	1	(RTL)
■ E27	VEP000U0A	HEAD PHONE P.C.BOARD	1	(RTL)
■ E28	VEP80C12A	FRONT MIC P.C.BOARD	1	(RTL)
■ E29	VEP80A74A	BACK TALLY P.C.BOARD	1	(RTL)
■ E30	VEP000W0A	FILTER P.C.BOARD	1	(RTL)

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
■ E1	VEP83551C	MAIN P.C.BOARD	1	(RTL)
■	VEP000X6A	CAMERA FILTER P.C.BOARD	1	(RTL)FOR VEP83551C
C1	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	FOR VEP000X6A
C2	ECUX1H820JCV	C.CAPACITOR CH 50V 82P	1	FOR VEP000X6A
C50,51	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3001	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3002,03	EEVHB0J330	E.CAPACITOR 6.3V 33U	2	
C3004-07	F1J1A1050021	C.CAPACITOR CH 10V 1U	4	
C3009,10	F1J1A1050021	C.CAPACITOR CH 10V 1U	2	
C3011	ECST1CX106	T.CAPACITOR CH 16V 10U	1	
C3012	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3013,14	ECUX1H390JCV	C.CAPACITOR CH 50V 39P	2	
C3015,16	ECUX1H070DCV	C.CAPACITOR CH 50V 7P	2	
C3017,18	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	2	
C3019,20	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	2	
C3021,22	ECUX1H270JCV	C.CAPACITOR CH 50V 27P	2	
C3026,27	EEVHP1A100	E.CAPACITOR 10V 10U	2	
C3029,30	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	2	
C3033	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3034-36	EEVHB0J330	E.CAPACITOR 6.3V 33U	3	
C3037	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
C3038,39	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	2	
C3040-42	ECUX1A105KBV	C.CAPACITOR CH 10V 1U	3	
C3043-48	F1J1A1050021	C.CAPACITOR CH 10V 1U	6	
C3052-54	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	3	
C3058-63	F1J1A1050021	C.CAPACITOR CH 10V 1U	6	
C3064-66	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3067-84	ECUX1H104KBV	C.CAPACITOR CH 50V 0.1U	18	
C3085-89	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C3090	ECST1AY106	T.CAPACITOR CH 10V 10U	1	
C3091-95	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C3096	ECST1AY106	T.CAPACITOR CH 10V 10U	1	
C3097	ECST1CX106	T.CAPACITOR CH 16V 10U	1	
C3301	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3302	ECST1AY106	T.CAPACITOR CH 10V 10U	1	
C3303	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3305	F1J0J475A006	C.CAPACITOR CH6.3V 1U	1	
C3306	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3309,10	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3311,12	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	2	
C3313	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3314	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C3315	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3316	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C3317,18	EEVHB0J220	E.CAPACITOR 6.3V 22U	2	
C3319	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C3321	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C3322	EEVHB0J101P	E.CAPACITOR 6.3V 100U	1	
C3323	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C3324	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
C3325,26	EEVHB1C100	E.CAPACITOR 16V 10U	2	
C3327	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3328,29	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3330	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C3331	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3332	EEVHB0J101P	E.CAPACITOR 6.3V 100U	1	
C3334,35	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3337	EEVHB0J220	E.CAPACITOR 6.3V 22U	1	
C3338,39	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	2	
C3340,41	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3342	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
C3343,44	F1J1A1050021	C.CAPACITOR CH 10V 1U	2	
C3345	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C3346,47	ECUX1H180JCV	C.CAPACITOR CH 50V 18P	2	
C3348	ECUX1H560JCV	C.CAPACITOR CH 50V 56P	1	
C3349	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
C3350	ECUX1H560JCV	C.CAPACITOR CH 50V 56P	1	
C3351	ECUX1H104KBV	C.CAPACITOR CH 50V 0.1U	1	
C3352	ECUX1H040CCV	C.CAPACITOR CH 50V 4P	1	
C3353	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
C3354	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C3355	ECUX1H180JCV	C.CAPACITOR CH 50V 18P	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C3356	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C3357	ECUX1H104KBV	C.CAPACITOR CH 50V 0.1U	1	
C3358	ECUX1A105KBV	C.CAPACITOR CH 10V 1U	1	
C3359	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3360	ECJ1VC1H100D	C.CAPACITOR CH 50V 10P	1	
C3361	ECUX1H270JCV	C.CAPACITOR CH 50V 27P	1	
C3362-65	F1J1A1050021	C.CAPACITOR CH 10V 1U	4	
C3366	ECUX1H270JCV	C.CAPACITOR CH 50V 27P	1	
C3370,71	F1J1A1050021	C.CAPACITOR CH 10V 1U	2	
C3372	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C3373	ECUX1H104KBV	C.CAPACITOR CH 50V 0.1U	1	
C3374	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3375	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C3376	ECUX1H104KBV	C.CAPACITOR CH 50V 0.1U	1	
C3377	ECST1CX106	T.CAPACITOR CH 16V 10U	1	
C3378	ECST1AY106	T.CAPACITOR CH 10V 10U	1	
C3379	ECST1CX106	T.CAPACITOR CH 16V 10U	1	
C3380	ECST1AY106	T.CAPACITOR CH 10V 10U	1	
C3382,83	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3384,85	ECST1CX106	T.CAPACITOR CH 16V 10U	2	
C3386	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3401	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3402	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3403	ECUX1H050CCV	C.CAPACITOR CH 50V 5P	1	
C3404	ECUX1C474KBN	C.CAPACITOR CH 16V 0.47U	1	
C3406	ECST1AY106	T.CAPACITOR CH 10V 10U	1	
C3407	ECUX1A105KBV	C.CAPACITOR CH 10V 1U	1	
C3408,09	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3410	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3411-16	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	6	
C3423	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3500-04	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C3505,06	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C3601	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3602	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C3603	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3604	ECST1AY106	T.CAPACITOR CH 10V 10U	1	
C3605	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3606	F1J0J475A006	C.CAPACITOR CH6.3V 1U	1	
C3607	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C3608	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3609	ECUX1A105KBV	C.CAPACITOR CH 10V 1U	1	
C3610,11	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C3613	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3614-17	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C3618,19	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	2	
C3620	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C3621	F1J0J475A006	C.CAPACITOR CH6.3V 1U	1	
C3622	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3623,24	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C3625	F1J0J475A006	C.CAPACITOR CH6.3V 1U	1	
C3626	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3627	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C3628	ECST1AY106	T.CAPACITOR CH 10V 10U	1	
C3702	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C3703	ECUX1C224KBN	C.CAPACITOR CH 16V 0.22U	1	F1J1C224A091
C3704	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3706	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3707	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3708	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C3709-11	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3712	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C3713	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3714	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C3715	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3716	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3717,18	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	2	
C3719	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3720,21	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	2	
C3722	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3723	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C4000,01	EEVHB1C470P	E.CAPACITOR 16V 47U	2	
C4002	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C4003,04	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	2	
C4005-08	EEVHP1H1R0	E.CAPACITOR 50V 1U	4	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C4009,10	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	2	
C4011,12	EEVHP1H1R0	E.CAPACITOR 50V 1U	2	
C4013,14	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	2	
C4015-17	EEVHP1H1R0	E.CAPACITOR 50V 1U	3	
C4019	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C4020,21	EEVHB0J330	E.CAPACITOR 6.3V 33U	2	
C4022	EEVHB0J220	E.CAPACITOR 6.3V 22U	1	
C4023	ECUX1H183KBV	C.CAPACITOR CH 50V 0.018U	1	
C4024,25	ECUX1C273KBV	C.CAPACITOR CH 16V 0.027U	2	
C4026,27	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4028,29	EEVHB0J330	E.CAPACITOR 6.3V 33U	2	
C4030	EEVHB0J220	E.CAPACITOR 6.3V 22U	1	
C4031	ECUX1H183KBV	C.CAPACITOR CH 50V 0.018U	1	
C4032,33	ECUX1C273KBV	C.CAPACITOR CH 16V 0.027U	2	
C4034-37	EEVHB0J470	E.CAPACITOR 6.3V 47U	4	
C4038	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
C4039	ECUX1H104KBV	C.CAPACITOR CH 50V 0.1U	1	
C4040	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
C4041-44	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C4047	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C4051	ECEA1HSN010	E.CAPACITOR 50V 1U	1	
C4100,01	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4102	ECUX1H151JCV	C.CAPACITOR CH 50V 150P	1	
C4103,04	EEVHP0J100	E.CAPACITOR 6.3V 10U	2	
C4105	EEVHB0J220	E.CAPACITOR 6.3V 22U	1	
C4106	F1L1C1060020	C.CAPACITOR CH 16V 10U	1	
C4107,08	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4109	ECUX1H151JCV	C.CAPACITOR CH 50V 150P	1	
C4110,11	EEVHP0J100	E.CAPACITOR 6.3V 10U	2	
C4112	EEVHB0J220	E.CAPACITOR 6.3V 22U	1	
C4113	F1L1C1060020	C.CAPACITOR CH 16V 10U	1	
C4114,15	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4120-22	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C4200,01	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4202,03	EEVHB0G470	E.CAPACITOR 4V 47U	2	
C4204	EEVHB0J220	E.CAPACITOR 6.3V 22U	1	
C4205	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C4206	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	1	
C4207,08	EEVHB0G470	E.CAPACITOR 4V 47U	2	
C4209	EEVHB0J220	E.CAPACITOR 6.3V 22U	1	
C4210	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C4211	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	1	
C4212	EEVHB0G470	E.CAPACITOR 4V 47U	1	
C4213	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	1	
C4214,15	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4216	EEVHB0J220	E.CAPACITOR 6.3V 22U	1	
C4217,18	ECUX1H151JCV	C.CAPACITOR CH 50V 150P	2	
C4219,20	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4221	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C4222	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C4223	EEVHB0J220	E.CAPACITOR 6.3V 22U	1	
C4224,25	ECUX1H151JCV	C.CAPACITOR CH 50V 150P	2	
C4226,27	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4228	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C4229	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C4230-32	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C4233,34	EEVHB0J330	E.CAPACITOR 6.3V 33U	2	
C4235	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C4236	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
C4237,38	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4239	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
C4240,41	EEVHB0J220	E.CAPACITOR 6.3V 22U	2	
C4300	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C4301	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C4303	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C4304	ECUX1H104KBM	C.CAPACITOR CH 50V 0.1U	1	
C4305,06	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	2	
C4307	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C4308	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C4309	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C4310	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C4311,12	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4313,14	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C4315	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C4316-19	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C4400	EEVHB1H100P	E.CAPACITOR 50V 10U	1	
C4401	EEVHB1H1R0	E.CAPACITOR 50V 1U	1	
C4402	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C4403	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C4404	F1L1C1060020	C.CAPACITOR CH 16V 10U	1	
C4405	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C4406,07	EEVHB1C100	E.CAPACITOR 16V 10U	2	
C4408	F1L1C1060020	C.CAPACITOR CH 16V 10U	1	
C4409	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C4410	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C4411-13	ECUX1A105KBV	C.CAPACITOR CH 10V 1U	3	
C4414	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C4415	VCE0200	E.CAPACITOR	1	F2G0J3310002
C4416,17	ECUX1H182KBV	C.CAPACITOR CH 50V 1800P	2	
C4418	VCE0200	E.CAPACITOR	1	F2G0J3310002
C4420	ECUX1H104KBV	C.CAPACITOR CH 50V 0.1U	1	
C4421	ECUX1C474KBN	C.CAPACITOR CH 16V 0.47U	1	
C4423	ECUX1H104KBV	C.CAPACITOR CH 50V 0.1U	1	
C4424	ECUX1C474KBN	C.CAPACITOR CH 16V 0.47U	1	
C4425	F1L1C1060020	C.CAPACITOR CH 16V 10U	1	
C4426,27	EEVHB0J470	E.CAPACITOR 6.3V 47U	2	
C4428	F1L1C1060020	C.CAPACITOR CH 16V 10U	1	
C4429	EEVHB0J101P	E.CAPACITOR 6.3V 100U	1	
C4430,31	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C6000	VCK0152	C.CAPACITOR	1	F1L1C1060016
C6010	VCK0152	C.CAPACITOR	1	F1L1C1060016
C6011,12	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C6013	ECUX1A105KBV	C.CAPACITOR CH 10V 1U	1	
C6015,16	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C6017	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C6018-35	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	18	
C6103-06	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C6107,08	EEVHB1A101P	E.CAPACITOR 10V 100U	2	
C6109-11	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C6112	EEVHB1A330	E.CAPACITOR 10V 33U	1	
C6113	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	
C6200-10	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	11	
C6300-12	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	13	
C6315	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C6400-08	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	9	
C6500,01	ECUX1H150JCV	C.CAPACITOR CH 50V 15P	2	
C6502-11	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	10	
C6512	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	
C7001	YGM1F105Z1AT	C.CAPACITOR 31.5V 1U	1	
C7002	F1H1H151A231	C.CAPACITOR CH 50V 150P	1	
C7003	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	1	F1H1E104A016
C7021-24	SK21A225KRA	T.CAPACITOR CH 10V 2.2U	4	
C7025	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	1	F1H1E104A016
C7029	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	1	F1H1E104A016
C7031,32	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	2	F1H1E104A016
C7102	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	1	F1H1E104A016
C7104	ECUX1H040CCV	C.CAPACITOR CH 50V 4P	1	
C7105,06	YGM1F105Z1AT	C.CAPACITOR 31.5V 1U	2	
C7109	ECST1DX106	T.CAPACITOR CH 20V 10U	1	
C7110	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C7111	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	1	F1H1E104A016
C7112	F3G1C1560001	T.CAPACITOR CH 16V 15U	1	
C7114	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	1	F1H1E104A016
C7115	ECST1AC476	T.CAPACITOR CH 10V 47U	1	
C7116	F3G1C1560001	T.CAPACITOR CH 16V 15U	1	
C7118	YGM1F105Z1AT	C.CAPACITOR 31.5V 1U	1	
C7119	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	1	F1H1E104A016
C7120	YGM1B103K1HT	C.CAPACITOR 12.5V 0.01U	1	F1H1H103A190
C7121-26	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	6	F1H1E104A016
C7127	ECST1DX106	T.CAPACITOR CH 20V 10U	1	
C7128	F1H1H270A231	C.CAPACITOR CH 50V 27P	1	
C7131	F3G1C1560001	T.CAPACITOR CH 16V 15U	1	
C7132	YGM1B103K1HT	C.CAPACITOR 12.5V 0.01U	1	F1H1H103A190
C7134	F3G1C1560001	T.CAPACITOR CH 16V 15U	1	
C7135	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	1	F1H1E104A016
C7136	F3G1C1560001	T.CAPACITOR CH 16V 15U	1	
C7137-41	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	5	F1H1E104A016
C7144	ECUX1H180JCV	C.CAPACITOR CH 50V 18P	1	
C7202	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	1	F1H1E104A016
C7204	ECUX1H040CCV	C.CAPACITOR CH 50V 4P	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C7205,06	YGM1F105Z1AT	C.CAPACITOR 31.5V 1U	2	
C7209	ECST1DX106	T.CAPACITOR CH 20V 10U	1	
C7210	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C7211	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	1	F1H1E104A016
C7212	F3G1C1560001	T.CAPACITOR CH 16V 15U	1	
C7214	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	1	F1H1E104A016
C7215	ECST1AC476	T.CAPACITOR CH 10V 47U	1	
C7216	F3G1C1560001	T.CAPACITOR CH 16V 15U	1	
C7218	YGM1F105Z1AT	C.CAPACITOR 31.5V 1U	1	
C7219	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	1	F1H1E104A016
C7220	YGM1B103K1HT	C.CAPACITOR 12.5V 0.01U	1	F1H1H103A190
C7221-26	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	6	F1H1E104A016
C7227	ECST1DX106	T.CAPACITOR CH 20V 10U	1	
C7228	F1H1H270A231	C.CAPACITOR CH 50V 27P	1	
C7231	F3G1C1560001	T.CAPACITOR CH 16V 15U	1	
C7232	YGM1B103K1HT	C.CAPACITOR 12.5V 0.01U	1	F1H1H103A190
C7234	F3G1C1560001	T.CAPACITOR CH 16V 15U	1	
C7235	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	1	F1H1E104A016
C7236	F3G1C1560001	T.CAPACITOR CH 16V 15U	1	
C7237-41	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	5	F1H1E104A016
C7244	ECUX1H180JCV	C.CAPACITOR CH 50V 18P	1	
C7302	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	1	F1H1E104A016
C7304	ECUX1H040CCV	C.CAPACITOR CH 50V 4P	1	
C7305,06	YGM1F105Z1AT	C.CAPACITOR 31.5V 1U	2	
C7309	ECST1DX106	T.CAPACITOR CH 20V 10U	1	
C7310	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C7311	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	1	F1H1E104A016
C7312	F3G1C1560001	T.CAPACITOR CH 16V 15U	1	
C7314	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	1	F1H1E104A016
C7315	ECST1AC476	T.CAPACITOR CH 10V 47U	1	
C7316	F3G1C1560001	T.CAPACITOR CH 16V 15U	1	
C7318	YGM1F105Z1AT	C.CAPACITOR 31.5V 1U	1	
C7319	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	1	F1H1E104A016
C7320	YGM1B103K1HT	C.CAPACITOR 12.5V 0.01U	1	F1H1H103A190
C7321-26	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	6	F1H1E104A016
C7327	ECST1DX106	T.CAPACITOR CH 20V 10U	1	
C7328	F1H1H270A231	C.CAPACITOR CH 50V 27P	1	
C7331	F3G1C1560001	T.CAPACITOR CH 16V 15U	1	
C7332	YGM1B103K1HT	C.CAPACITOR 12.5V 0.01U	1	F1H1H103A190
C7334	F3G1C1560001	T.CAPACITOR CH 16V 15U	1	
C7335	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	1	F1H1E104A016
C7336	F3G1C1560001	T.CAPACITOR CH 16V 15U	1	
C7337-41	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	5	F1H1E104A016
C7344	ECUX1H180JCV	C.CAPACITOR CH 50V 18P	1	
C7501	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C7502	ECST1CX106	T.CAPACITOR CH 16V 10U	1	
C7503	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C7504	ECST1CX106	T.CAPACITOR CH 16V 10U	1	
C7505	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C7506,07	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C7508,09	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	2	
C7510	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C7511	ECST1CX106	T.CAPACITOR CH 16V 10U	1	
C7512	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C7513	ECST1CX106	T.CAPACITOR CH 16V 10U	1	
C7514	ECHU1C104JB	P.CAPACITOR 16V 0.1U	1	
C7515	EEVHP1C100	E.CAPACITOR 16V 10U	1	
C7516,17	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C7518	ECHU1C104JB	P.CAPACITOR 16V 0.1U	1	
C7519	EEVHP1C100	E.CAPACITOR 16V 10U	1	
C7520	ECHU1C104JB	P.CAPACITOR 16V 0.1U	1	
C7521	EEVHP1C100	E.CAPACITOR 16V 10U	1	
C7522	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C7523	ECST1CX106	T.CAPACITOR CH 16V 10U	1	
C7524	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C7525,26	ECUX1H104KBV	C.CAPACITOR CH 50V 0.1U	2	
C8001	YGM1F105Z1AT	C.CAPACITOR 31.5V 1U	1	
C8005,06	ECST1AD107	T.CAPACITOR CH 10V 100U	2	
C8009	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	1	F1H1E104A016
C8011	ECST1CX106	T.CAPACITOR CH 16V 10U	1	
C8012-16	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	5	F1H1E104A016
C8017	F1H1H300A004	C.CAPACITOR CH 50V 30P	1	
C8018	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	1	F1H1E104A016
C8019	F1H1H101A231	C.CAPACITOR CH 50V 100P	1	
C8021	SK41C336MC	T.CAPACITOR CH 16V 33U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C8022	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	1	F1H1E104A016
C8024	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	1	F1H1E104A016
C8026-28	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	3	F1H1E104A016
C8030-56	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	27	F1H1E104A016
C8071	YGM1C470J1HT	C.CAPACITOR 16V 47P	1	
C8073-76	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	4	F1H1E104A016
C8077	ECST1AD107	T.CAPACITOR CH 10V 100U	1	
C8078-81	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	4	F1H1E104A016
C8082	ECST1AD107	T.CAPACITOR CH 10V 100U	1	
C8083,84	SK31A475KRA	T.CAPACITOR CH 10V 4.7U	2	
C8085	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	1	F1H1E104A016
C8086	ECST1AC476	T.CAPACITOR CH 10V 47U	1	
C8087	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C8088	ECST1AD107	T.CAPACITOR CH 10V 100U	1	ECST1AD107R
C8089,90	SK31A475KRA	T.CAPACITOR CH 10V 4.7U	2	
C8092,93	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	2	F1H1E104A016
C8094	F1H1H150A231	C.CAPACITOR CH 50V 22P	1	
C8095,96	YGM1C471J1HT	C.CAPACITOR 16V 470U	2	
C8097	F1H1H200A004	C.CAPACITOR CH 50V 20P	1	
C8098,99	YGM1C471J1HT	C.CAPACITOR 16V 470U	2	
C8105	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	1	F1H1E104A016
C8108	F1K1E1040003	C.CAPACITOR CH 25V 0.1U	1	
C8109	5X122K5VT	C.CAPACITOR 50V 1200P	1	F1H1H122A013
C8111	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	1	F1H1E104A016
C8112	SK21A225KRA	T.CAPACITOR CH 10V 2.2U	1	
C8113	F1H1E223A002	C.CAPACITOR CH 25V 0.022U	1	
C8118	ECST1CC336	T.CAPACITOR CH 16V 33U	1	
C8119	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	1	F1H1E104A016
C8120	ECST1CX106	T.CAPACITOR CH 16V 10U	1	
C8121,22	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	2	F1H1E104A016
C8123	ECST1CC336	T.CAPACITOR CH 16V 33U	1	
C8124-27	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	4	F1H1E104A016
C8136	ECEV1CN100Q	E.CAPACITOR CH 16V 10U	1	
C8137,38	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	2	F1H1E104A016
C8139	F3F1A1060001	T.CAPACITOR CH 10V 10U	1	
C8140	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	1	F1H1E104A016
C8141	ECST1CX156	T.CAPACITOR CH 16V 15U	1	
C8142,43	YGM1C470J1HT	C.CAPACITOR 16V 47P	2	
C8144	F1H1H150A231	C.CAPACITOR CH 50V 22P	1	
C8145,46	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	2	F1H1E104A016
C8147	F3F1A1060001	T.CAPACITOR CH 10V 10U	1	
C8150	ECST1DX106	T.CAPACITOR CH 20V 10U	1	
C8153,54	YGM1C470J1HT	C.CAPACITOR 16V 47P	2	
C8155	F1H1H150A231	C.CAPACITOR CH 50V 22P	1	
C8157	YGM1C100D1HT	C.CAPACITOR 16V 10P	1	F1H1H100A226
C8161	ECST1AX226	T.CAPACITOR CH 10V 22U	1	
C8162	F3F1A1060001	T.CAPACITOR CH 10V 10U	1	
C8163	ECST1DX106	T.CAPACITOR CH 20V 10U	1	
C8165	F1H1H151A231	C.CAPACITOR CH 50V 150P	1	
C8166	F1H1H330A231	C.CAPACITOR CH 50V 33P	1	
C8168	F3F1A1060001	T.CAPACITOR CH 10V 10U	1	
C8172	ECST1CX156	T.CAPACITOR CH 16V 15U	1	
C8173	YGM1C020C1HT	C.CAPACITOR 16V 2P	1	F1H1H2R0A260
C8178	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	1	F1H1E104A016
C8187	SK31A475KRA	T.CAPACITOR CH 10V 4.7U	1	
C8188	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	1	F1H1E104A016
C8189	ECST1AC476	T.CAPACITOR CH 10V 47U	1	
C8190,91	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	2	F1H1E104A016
C8192	F1H1H150A231	C.CAPACITOR CH 50V 22P	1	
C8193,94	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	2	F1H1E104A016
C8196	YGM1F105Z1AT	C.CAPACITOR 31.5V 1U	1	
C8209	F1H1H181A004	C.CAPACITOR CH 50V 180P	1	
C8213-16	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	4	F1H1E104A016
C8219	F1H1H101A231	C.CAPACITOR CH 50V 100P	1	
C8221	YGM1C220J1HT	C.CAPACITOR 16V 22P	1	F1H1H220A231
C8222	YGM1C040C1HT	C.CAPACITOR 16V 4P	1	F1H1H4R0A243
C8223	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	1	F1H1E104A016
C8225,26	YGM1C220J1HT	C.CAPACITOR 16V 22P	2	F1H1H220A231
C8228	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	1	F1H1E104A016
C8229	F3H1A4760005	T.CAPACITOR CH 10V 47U	1	
C8230-32	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	3	F1H1E104A016
C8233	YGM1C470J1HT	C.CAPACITOR 16V 47P	1	
C8240	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C8600,01	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	2	F1H1E104A016
C8603	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C8604,05	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	2	F1H1E104A016
C8608-10	ECST1AY106	T.CAPACITOR CH 10V 10U	3	
C8612	ECST1AY106	T.CAPACITOR CH 10V 10U	1	
C8613-18	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	6	
C8650,51	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	2	
C8652	ECUX1H150JCV	C.CAPACITOR CH 50V 15P	1	
C8653	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C8654	ECUX1H180JCV	C.CAPACITOR CH 50V 18P	1	
C8655	ECUX1H820JCV	C.CAPACITOR CH 50V 82P	1	
C8656	ECUX1H121JCV	C.CAPACITOR CH 50V 120P	1	
C8657,58	ECUX1H104KBV	C.CAPACITOR CH 50V 0.1U	2	
C8659	ECST1CC336	T.CAPACITOR CH 16V 33U	1	
C8662	ECUX1H820JCV	C.CAPACITOR CH 50V 82P	1	
C8663	ECUX1H070DCV	C.CAPACITOR CH 50V 7P	1	
C8664	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C8700,01	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C8702,03	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	2	F1H1E104A016
C8750	ECST1EC106	T.CAPACITOR CH 25V 10U	1	
C8751	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	1	F1H1E104A016
C8752	ECST1DX106	T.CAPACITOR CH 20V 10U	1	
C8753	ECST0JC686	T.CAPACITOR CH6.3V 68U	1	
C8754	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	1	F1H1E104A016
C8755	F3H1A4760005	T.CAPACITOR CH 10V 47U	1	
C8756	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C8757	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	1	F1H1E104A016
C8759	SK41C336MC	T.CAPACITOR CH 16V 33U	1	
C8760	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C8761	ECST1AY106	T.CAPACITOR CH 10V 10U	1	
C8762	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C8763	ECST0JY106Z	T.CAPACITOR CH6.3V 10U	1	
C8764	ECST1CX156	T.CAPACITOR CH 16V 15U	1	
C8765,66	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C8767	ECUX1H104KBV	C.CAPACITOR CH 50V 0.1U	1	
C8800-03	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C8804	ECST1CX156	T.CAPACITOR CH 16V 15U	1	
C8805-08	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C8809	ECST1CX156	T.CAPACITOR CH 16V 15U	1	
C8810-17	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	8	
C8818,19	ECST1AX336	E.CAPACITOR 6.3V 120U	2	
C8820,21	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C8822	ECST1CX106	T.CAPACITOR CH 16V 10U	1	
C8823	ECST1CC336	T.CAPACITOR CH 16V 33U	1	
D3301	MA142K-G	DIODE	1	
D3401	MA143-G	DIODE	1	
D4001	MA142WK-G	DIODE	1	
D4003	MA142WK-G	DIODE	1	
D4004-09	MA143-G	DIODE	6	
D4100,01	MA142K-G	DIODE	2	
D4200-03	MA143-G	DIODE	4	
D4400	MA3220	DIODE	1	
D4401	MA143-G	DIODE	1	
D6000	MA142K-G	DIODE	1	
D6005	MA143-G	DIODE	1	
D6007	MA143-G	DIODE	1	
D6009	MA142K-G	DIODE	1	
D6010,11	MA143-G	DIODE	2	
D6013-20	MA143-G	DIODE	8	
D6100	MA142WA-G	DIODE	1	
D6400	MA142WA-G	DIODE	1	
D7101	MA3J142K0L	DIODE	1	
D7201	MA3J142K0L	DIODE	1	
D7301	MA3J142K0L	DIODE	1	
D8004-07	B0CCAB000015	DIODE	4	
D8700,01	MA143-G	DIODE	2	
D8750	MA3056-M	DIODE	1	MAZ30560ML
FL3001	J0E6004B0012	FILTER	1	
FL4300	G4ZZ00000278	FILTER	1	
FL8002	J0E3584B0005	FILTER	1	
IC3001	C0CBADD00003	IC	1	
IC3003-05	AD8051AR	IC	3	
IC3006	XC62FP3002P	IC	1	
IC3007-09	C0FBAF000042	IC	3	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC3010-12	C0ABEB000035	IC	3	
IC3013	C0CBABC00060	IC	1	
IC3301	XC62FP3002P	IC	1	
IC3302	C1AB00001449	IC	1	
IC3303	TC4W53FU	IC	1	C0JBAR000113
IC3305,06	C1AB00000430	IC	2	
IC3307	C0JBAZ000516	IC	1	
IC3308	AD8051AR	IC	1	
IC3309	C0ABBB000158	IC	1	
IC3310	C0CBADD00003	IC	1	
IC3401	C0CBABC00060	IC	1	
IC3402	C0JBAZ001605	IC	1	
IC3403	BH7086KV	IC	1	C1ZBZ0001649
IC3404	C0JBAB000175	IC	1	
IC3500	M62370GP	IC	1	C0FBBD000082
IC3501	C0JBAZ001348	IC	1	
IC3502	C0ABEB000035	IC	1	
IC3601	XC62FP3002P	IC	1	
IC3602	AN3742FHN-EB	IC	1	
IC3604	C1AB00000860	IC	1	
IC3702	C0CBADD00003	IC	1	
IC3703	C0JBAZ001605	IC	1	
IC3704	C0ABCA000038	IC	1	
IC3705	C0JBAA000102	IC	1	
IC3706	C0JBAZ001605	IC	1	
IC3707	C0JBAA000265	IC	1	
IC3710	C0DBEZC00009	IC	1	
IC4000	UPC5022GA121	IC	1	
IC4001	C0ABEB000034	IC	1	
IC4002	C0JBAZ001348	IC	1	
IC4003,04	C0JBAB000200	IC	2	
IC4005	C0JBAZ000610	IC	1	
IC4100,01	C0ABBB000124	IC	2	
IC4102	C0JBAZ001348	IC	1	
IC4105	C0JBAA000224	IC	1	
IC4106	C0JBAZ001348	IC	1	
IC4200	C0CBABC00049	IC	1	
IC4201	AK4503VF	IC	1	
IC4202,03	C0ABEB000034	IC	2	
IC4204	C0ABEB000035	IC	1	
IC4205	C0JBAZ000279	IC	1	
IC4300	C0JBAZ001348	IC	1	
IC4301	C0ABEB000035	IC	1	
IC4302	C1BB00000311	IC	1	
IC4303	C0ABEB000035	IC	1	
IC4400	C0ABEB000034	IC	1	
IC4401	C1AB00001196	IC	1	
IC4402	C0JBAZ001348	IC	1	
IC6000	C0EBJ0000049	IC	1	
IC6001	C0EBE0000075	IC	1	
IC6002	C0ABBA000075	IC	1	
IC6004	C0JBAZ000279	IC	1	
IC6005	C0JBAB000175	IC	1	
IC6006	C0ABBA000075	IC	1	
IC6101	C0JBZZ000027	IC	1	
IC6102,03	TVHT541FT	IC	2	C0JBAZ000856
IC6105	C3ZBD0000004	IC	1	
IC6106	C1ZBZ0001318	IC	1	
IC6107	C1ZBZ0001486	IC	1	
IC6108	TVHT541FT	IC	1	C0JBAZ000856
IC6200	C1AB00000936	IC	1	
IC6301	C1AB00000936	IC	1	
IC6302	C0JBAZ001605	IC	1	
IC6400,01	C0JBAF000315	IC	2	
IC6402	C1AB00001228	IC	1	
IC6403	C0JBAE000135	IC	1	
IC6404	THC4052FT	IC	1	
IC6502,03	C0JBAB000422	IC	2	
IC7001	C0JBAB000028	IC	1	
IC7005	TC4W53FU	IC	1	C0JBAR000113
IC7006	NJM2059M	IC	1	C0ABCB000023
IC7007	C5AB00000001	IC	1	
IC7008	C0JBAA000014	IC	1	
IC7101	C0JBAZ001348	IC	1	
IC7102,03	NJM4559M	IC	2	C0ABBB000050

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC7104	C0ABEB000037	IC	1	
IC7105	NJM4560M	IC	1	
IC7108	TC4W53FU	IC	1	C0JBAR000113
IC7201	C0JBAZ001348	IC	1	
IC7202,03	NJM4559M	IC	2	C0ABBB000050
IC7204	C0ABEB000037	IC	1	
IC7205	NJM4560M	IC	1	
IC7208	TC4W53FU	IC	1	C0JBAR000113
IC7301	C0JBAZ001348	IC	1	
IC7302,03	NJM4559M	IC	2	C0ABBB000050
IC7304	C0ABEB000037	IC	1	
IC7305	NJM4560M	IC	1	
IC7308	TC4W53FU	IC	1	C0JBAR000113
IC7501,02	TC7SET32FU	IC	2	
IC7503	C0ABFB000012	IC	1	
IC7504	C0JBAZ001348	IC	1	
IC7505	C0ABFB000012	IC	1	
IC7506	C0JBAZ001348	IC	1	
IC7507	M62352GP	IC	1	C0FBBD000023
IC8001	M51957BFP	IC	1	C0EBH0000062
IC8004	C0JBAA000014	IC	1	
IC8005	BR9040F	IC	1	
IC8006	C0JBAN000098	VHC	1	
IC8007	UPD6465GT611	IC	1	
IC8009	M62352GP	IC	1	C0FBBD000023
IC8010-12	MN6577F	IC	3	
IC8015	C0ABBA000075	IC	1	
IC8018	TVS1129	IC	1	C0JBAZ000525
IC8020	NJM2903M	IC	1	C0BBBA000019
IC8026	C0JBAC000111	IC	1	
IC8029	C1ZBZ0000169	IC	1	
IC8030	F432532APGF	IC	1	C1AB00000199
IC8031	C0JBAB000220	IC	1	
IC8032	C0JBAB000175	IC	1	
IC8035	C0JBAA000102	IC	1	
IC8037	MB40950	IC	1	C0FABD000019
IC8039	LM1881M	IC	1	C1AB00000178
IC8040	C0JBAM000039	IC	1	
IC8041	C0JBAD000071	IC	1	
IC8042	C0JBAB000005	IC	1	
IC8044	C0JBAB000005	IC	1	
IC8047	C0JBAB000003	IC	1	
IC8048	C0JBAF000162	IC	1	
IC8049	C0JBAZ000025	IC	1	
IC8050	C0JBAF000162	IC	1	
IC8051	TC7SH08FU	IC	1	
IC8422	C0JBAB000220	IC	1	
IC8423	C0JBAZ000280	IC	1	
IC8425	C0JBAB000175	IC	1	
IC8429	C0ABBB000179	IC	1	
IC8432	C0ABEB000023	IC	1	
IC8601	C0JBAC000111	IC	1	
IC8604,05	C0CBABC00059	IC	2	
IC8700,01	TC4W53FU	IC	2	C0JBAR000113
IC8702,03	TC7W126F	IC	2	
IC8704	C0JBAA000102	IC	1	
IC8751	NJM431U	IC	1	C0DBEZC00003
IC8754	C0ABBA000075	IC	1	
IC8755	C0ABCA000038	IC	1	
IC8756	C0JBAB000180	IC	1	
IC8757	XC62FP4502PR	IC	1	
IC8758	C0JBAA000255	IC	1	
IC8800	ADV7123KST50	IC	1	C0FBBF000020
IC8802,03	C0JBAA000115	IC	2	
IC8804-07	TC4W53FU	IC	4	C0JBAR000113
IC8808,09	C0JBAB000175	IC	2	
IP3402	C1ZBZ0001968	IC	1	
IP6003	C2GBC0000084	MICRO CONTROLLER	1	
IP6501	C1ZBZ0001803	IC	1	
IP8003	UL1A531A	IC	1	
J3601	VJR1094	TERMINAL	1	
J7001,02	VJR1094	TERMINAL	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
L1,L2	VLQ0163J1R5	COIL 1.5UH	2	FOR VEP000X6A
L11,12	J0JKC0000009	FILTER	2	
L13-17	J0JBC0000014	FILTER	5	
L50,51	J0JBC0000014	FILTER	2	
L52	VLQ0319M6R8	COIL 6.8UH	1	G1C6R8MA0001
L3001,02	G1C820J00002	COIL 82UH	2	
L3003,04	VLQ0163J680	COIL 68UH	2	
L3005	VLQ0319K101	COIL 100UH	1	G1C101K00022
L3301,02	VLQ0163J120	COIL 12UH	2	G1C120J00001
L3303	VLQ0163J6R8	COIL 6.8UH	1	G1C6R8J00007
L3304	G1C8R2J00002	COIL 8.2UH	1	
L3305	VLQ0319K101	COIL 100UH	1	G1C101K00022
L3403,04	J0JBC0000019	FILTER	2	
L3601	J0JBC0000019	FILTER	1	
L3602,03	VLQ0319K101	COIL 100UH	2	G1C101K00022
L4000-05	VLQ0163J100	COIL 10UH	6	G1C100J00001
L4201,02	VLQ0163J100	COIL 10UH	2	G1C100J00001
L7501	VLQ0319K220	COIL 22UH	1	G1C220K00015
L8001	G1C390J00001	COIL	1	
L8002-04	J0JBC0000019	FILTER	3	
L8005	ELJFC4R7MF	COIL 4.7UH	1	
L8006	G1C4R7J00002	COIL	1	
L8007,08	ELJFC4R7MF	COIL 4.7UH	2	
L8009,10	ELJFC5R6MF	COIL 5.6UH	2	
L8551	J0JKC0000009	FILTER	1	
L8600	J0JKC0000009	FILTER	1	
L8603,04	J0JBC0000019	FILTER	2	
L8651	ELJFC4R7MF	COIL 4.7UH	1	
L8652	VLQ0163J5R6	COIL 5.6UH	1	
L8653	VLQ0163J680	COIL 68UH	1	
L8654	VLQ0163J221	COIL 220UH	1	G1C221J00003
L8700,01	J0JBC0000019	FILTER	2	
L8800	ELJFC4R7MF	COIL 4.7UH	1	
P1	VJP3978C120E	CONNECTOR (MALE)	1	
P2	K1MN20A00036	CONNECTOR	1	
P3	K1MZ06B00001	CONNECTOR	1	
P4	K1MM16B00003	CONNECTOR	1	
P6	K1MM21B00003	CONNECTOR	1	
P7	VJS2848D018	CONNECTOR (FEMALE)	1	K1MN18B00010
P8	VJP3125D015	CONNECTOR (MALE)	1	K1KA15B00034
P9	VJS3801D024	CONNECTOR (FEMALE)	1	
P10	K1KA11B00031	CONNECTOR (MALE)	1	
P11	K1KA06B00106	CONNECTOR (MALE)	1	
P12	VJS3801D024	CONNECTOR (FEMALE)	1	
P13	VJS3801D040	CONNECTOR	1	K1MN40B00010
P15	VJP3172D003	CONNECTOR (MALE)	1	K1KA03B00006
P16	K1KA13B00037	CONNECTOR (MALE)	1	
P17	VJP3172D002	CONNECTOR (MALE)	1	K1KA02B00051
P18	VJP3125B010	CONNECTOR (MALE)	1	K1KA10B00136
P19	K1KA08B00147	CONNECTOR (MALE)	1	
P20	K1KA60B00052	CONNECTOR (MALE)	1	
P21	VJP3358C022	CONNECTOR (MALE)	1	K1KA22A00027
P22	VJP3172D007	CONNECTOR (MALE)	1	
P23	VJP3172D006	CONNECTOR (MALE)	1	K1KA06B00054
P30	K1MN20A00036	CONNECTOR	1	
P6000	K1MN20A00036	CONNECTOR	1	
P8000	K1MN20A00036	CONNECTOR	1	
P8001	K1KA02A00079	CONNECTOR (MALE)	1	
Q3001-04	2SD1819ALL	TRANSISTOR	4	
Q3005,06	2SA15320XL	TRANSISTOR	2	
Q3007,08	2SB1218ALL	TRANSISTOR	2	
Q3009-11	2SD1819ALL	TRANSISTOR	3	
Q3012-14	2SK06620LL	TRANSISTOR	3	
Q3015-17	2SD1819ALL	TRANSISTOR	3	
Q3301	2SD1819ALL	TRANSISTOR	1	
Q3302	XP0431200L	TRANSISTOR	1	
Q3701-04	2SD0874ALL	TRANSISTOR	4	
Q4000	2SD1819A-R	TRANSISTOR	1	2SD1819ARL
Q4001	2SD0602ASL	TRANSISTOR	1	
Q4002	2SB0710ARL	TRANSISTOR	1	
Q4003-05	2SB12200HL	TRANSISTOR	3	
Q4100,01	2SD197900L	TRANSISTOR	2	
Q4102-04	2SD1819A-R	TRANSISTOR	3	2SD1819ARL

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
Q4105,06	2SD197900L	TRANSISTOR	2	
Q4107-09	2SD1819A-R	TRANSISTOR	3	2SD1819ARL
Q4400	2SD0602ARL	TRANSISTOR	1	
Q4401-04	2SD197900L	TRANSISTOR	4	
Q4405	2SB1219AHL	TRANSISTOR	1	
Q6401	XN0121300L	TRANSISTOR-RESISTOR	1	
Q6403	XN0460100L	TRANSISTOR-RESISTOR	1	
Q7102	XN0653400L	TRANSISTOR-RESISTOR	1	
Q7103	2SC39310YL	TRANSISTOR	1	
Q7104	2SK662-R	TRANSISTOR	1	2SK06620EL
Q7105	XN0653400L	TRANSISTOR	1	
Q7106-08	XN0643500L	TRANSISTOR	3	
Q7110	XN0643500L	TRANSISTOR	1	
Q7111	2SK662-R	TRANSISTOR	1	2SK06620EL
Q7113-16	XN0643500L	TRANSISTOR	4	
Q7117,18	2SA15320CL	TRANSISTOR	2	
Q7119	2SC39310YL	TRANSISTOR	1	
Q7120	2SK662-R	TRANSISTOR	1	2SK06620EL
Q7121	XN0643500L	TRANSISTOR	1	
Q7122	2SC39310YL	TRANSISTOR	1	
Q7202	XN0653400L	TRANSISTOR	1	
Q7203	2SC39310YL	TRANSISTOR	1	
Q7204	2SK662-R	TRANSISTOR	1	2SK06620EL
Q7205	XN0653400L	TRANSISTOR	1	
Q7206-08	XN0643500L	TRANSISTOR	3	
Q7210	XN0643500L	TRANSISTOR	1	
Q7211	2SK662-R	TRANSISTOR	1	2SK06620EL
Q7213-16	XN0643500L	TRANSISTOR	4	
Q7217,18	2SA15320CL	TRANSISTOR	2	
Q7219	2SC39310YL	TRANSISTOR	1	
Q7220	2SK662-R	TRANSISTOR	1	2SK06620EL
Q7221	XN0643500L	TRANSISTOR	1	
Q7222	2SC39310YL	TRANSISTOR	1	
Q7302	XN0653400L	TRANSISTOR	1	
Q7303	2SC39310YL	TRANSISTOR	1	
Q7304	2SK662-R	TRANSISTOR	1	2SK06620EL
Q7305	XN0653400L	TRANSISTOR	1	
Q7306-08	XN0643500L	TRANSISTOR	3	
Q7310	XN0643500L	TRANSISTOR	1	
Q7311	2SK662-R	TRANSISTOR	1	2SK06620EL
Q7313-16	XN0643500L	TRANSISTOR	4	
Q7317,18	2SA15320CL	TRANSISTOR	2	
Q7319	2SC39310YL	TRANSISTOR	1	
Q7320	2SK662-R	TRANSISTOR	1	2SK06620EL
Q7321	XN0643500L	TRANSISTOR	1	
Q7322	2SC39310YL	TRANSISTOR	1	
Q7501-03	2SD1819A-R	TRANSISTOR	3	
Q8004	XP0460100L	TRANSISTOR	1	
Q8022	2SB1218ALL	TRANSISTOR	1	
Q8023,24	2SC39310YL	TRANSISTOR	2	
Q8025	2SB1218ALL	TRANSISTOR	1	
Q8026	B1ABCF000059	TRANSISTOR	1	
Q8028	B1ABCF000059	TRANSISTOR	1	
Q8035	B1ABCF000059	TRANSISTOR	1	
Q8038	2SC39310YL	TRANSISTOR	1	
Q8039	B1ABCF000059	TRANSISTOR	1	
Q8044	2SB1218ALL	TRANSISTOR	1	
Q8045	B1ABCF000059	TRANSISTOR	1	
Q8047-49	2SC39310YL	TRANSISTOR	3	
Q8050	XP0460100L	TRANSISTOR	1	
Q8055	2SD18200WL	TRANSISTOR	1	
Q8056	2SB1219AHL	TRANSISTOR	1	
Q8750	2SB07660HL	TRANSISTOR	1	
Q8751,52	2SB1218-Q	TRANSISTOR	2	
Q8753	2SD0874ALL	TRANSISTOR	1	
Q8754	2SB07660HL	TRANSISTOR	1	
Q8800-02	2SB1218ALL	TRANSISTOR	3	
Q8803	2SD1819A-R	TRANSISTOR	1	
Q8804	2SB1218ALL	TRANSISTOR	1	
Q8805-07	2SD1819A-R	TRANSISTOR	3	
QR3301-03	UN9212J	TRANSISTOR	3	
QR4000	UNR511300L	TRANSISTOR	1	
QR4001,02	UNR521F00L	TRANSISTOR	2	
QR4003,04	UNR511300L	TRANSISTOR	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
QR4005,06	UNR521F00L	TRANSISTOR	2	
QR4007	UNR511300L	TRANSISTOR	1	
QR4008-10	UNR521300L	TRANSISTOR	3	
QR4100	UNR511300L	TRANSISTOR	1	
QR4101	UNR521300L	TRANSISTOR	1	
QR4102	UNR511300L	TRANSISTOR	1	
QR4103	UNR521300L	TRANSISTOR	1	
QR4104	UNR511300L	TRANSISTOR	1	
QR4105	UNR521300L	TRANSISTOR	1	
QR4106	UNR511300L	TRANSISTOR	1	
QR4107	UNR521300L	TRANSISTOR	1	
QR4400	UNR521300L	TRANSISTOR	1	
QR4401	UNR511300L	TRANSISTOR	1	
QR6201	UN5215	TRANSISTOR	1	
QR6300	UNR521300L	TRANSISTOR	1	
QR6301-04	UNR511500L	TRANSISTOR	4	
QR6400	UNR521100L	TRANSISTOR	1	
QR6401	UNR511100L	TRANSISTOR	1	
QR6402,03	UNR521100L	TRANSISTOR	2	
QR8700	UNR521300L	TRANSISTOR	1	
QR8702	UNR521300L	TRANSISTOR	1	
R3	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R9	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R10	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R12	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R15-18	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	4	
R20-22	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	3	
R50-53	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	4	
R3001-03	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	3	
R3004,05	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R3006	ERJ3RBD512	M.RESISTOR CH 1/16W 5.1K	1	
R3010	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R3011	ERJ3RBD683	M.RESISTOR CH 1/16W 68K	1	
R3012	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R3013	ERJ3RBD683	M.RESISTOR CH 1/16W 68K	1	
R3016,17	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R3018	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3019-22	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	4	
R3023	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3024,25	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	2	
R3026-29	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	4	
R3030,31	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3032,33	ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K	2	
R3036,37	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R3038	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R3039	ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K	1	
R3040	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R3041	ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K	1	
R3042	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R3043	ERJ3GEYJ274	M.RESISTOR CH 1/16W 270K	1	
R3044	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R3046	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R3048-50	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	3	
R3051-53	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	3	
R3057-59	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	3	
R3060	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R3061,62	ERJ3RBD271	M.RESISTOR CH 1/16W 270	2	
R3063-65	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	
R3066	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R3068	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R3070	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R3078-80	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	3	
R3081-83	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	3	
R3084-86	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	3	
R3087-89	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	3	
R3090-92	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	3	
R3094	ERJ3RBD331	M.RESISTOR CH 1/16W 330	1	
R3095	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3096	ERJ3RBD221	M.RESISTOR CH 1/16W 220	1	
R3097	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3098	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R3099	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3100	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3101	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R3102	ERJ3RBD622	M.RESISTOR CH 1/16W 6.2K	1	
R3103	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R3104	ERJ3RBD622	M.RESISTOR CH 1/16W 6.2K	1	
R3105	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R3109	ERJ3RED200	M.RESISTOR CH 1/16W 20	1	
R3110	ERJ3RBD681	M.RESISTOR CH 1/16W 680	1	
R3111	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R3112	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R3113	ERJ3RED200	M.RESISTOR CH 1/16W 20	1	
R3114	ERJ3RBD681	M.RESISTOR CH 1/16W 680	1	
R3115	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R3116	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R3117	ERJ3RED200	M.RESISTOR CH 1/16W 20	1	
R3118	ERJ3RBD681	M.RESISTOR CH 1/16W 680	1	
R3119	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R3120	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R3121	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R3122	ERJ3RBD162	M.RESISTOR CH 1/16W 1.6K	1	
R3123	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R3124	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R3125	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R3126	ERJ3RBD162	M.RESISTOR CH 1/16W 1.6K	1	
R3127	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R3128	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R3129	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R3130	ERJ3RBD162	M.RESISTOR CH 1/16W 1.6K	1	
R3131	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R3132	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R3135	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R3301	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R3302	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R3303	ERJ3RBD393	M.RESISTOR CH 1/16W 39K	1	
R3311	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R3312	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R3313	ERJ3RBD433	M.RESISTOR CH 1/16W 43K	1	
R3314,15	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R3316,17	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R3318	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3319,20	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	2	
R3321	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R3322	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3323	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R3324,25	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	2	
R3327	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	1	
R3330,31	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R3332	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3334	ERJ6RED750	M.RESISTOR CH 1/10W 75	1	
R3335	ERJ6RED620	M.RESISTOR CH 1/10W 62	1	
R3336	ERJ6RED750	M.RESISTOR CH 1/10W 75	1	
R3337	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R3338	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3339	ERJ6RED470	M.RESISTOR CH 1/10W 47	1	
R3340	ERJ3RBD362	M.RESISTOR CH 1/16W 3.6K	1	
R3341	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R3342	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R3343	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R3344	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R3345	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R3346	ERJ3GEYJ274	M.RESISTOR CH 1/16W 270K	1	
R3348	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R3349	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R3350	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R3351	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3352	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R3353	ERJ3RBD221	M.RESISTOR CH 1/16W 220	1	
R3355	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R3356	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3357	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R3358	ERJ3RBD221	M.RESISTOR CH 1/16W 220	1	
R3360	ERJ3RBD512	M.RESISTOR CH 1/16W 5.1K	1	
R3361	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R3362	ERJ3RBD162	M.RESISTOR CH 1/16W 1.6K	1	
R3363	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3364	ERJ3RBD911	M.RESISTOR CH 1/16W 910	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3367	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R3369	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3371	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3373	ERJ3GEYJ752	M.RESISTOR CH 1/16W 7.5K	1	
R3374	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R3375	ERJ3GEYJ224	M.RESISTOR CH 1/16W 220K	1	
R3376	ERJ3RBD621	M.RESISTOR CH 1/16W 620	1	
R3378	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R3382	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3383	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R3385	ERJ3GEYJ243	M.RESISTOR CH 1/16W 24K	1	
R3386-88	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R3401	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R3405-07	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R3408	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R3409	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3412	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R3413	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3414	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3415	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3416	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R3419	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R3420	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3422	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3423	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3424	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R3425	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3426,27	VLF1147A680	COIL	2	
R3428	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3430,31	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3432	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3433	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3434-37	D1H810140001	COMBI.R-R	4	
R3502	ERJ3RBD433	M.RESISTOR CH 1/16W 43K	1	
R3503	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R3505	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3507	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3601	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R3605	ERJ3RBD391	M.RESISTOR CH 1/16W 390	1	
R3606	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R3607	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3608	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R3609	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R3610	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R3611	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R3612	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3613	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3614-16	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R3617	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3619,20	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	2	
R3621	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R3622	ERJ3GEYJ162	M.RESISTOR CH 1/16W 1.6K	1	
R3623	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R3624	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3625,26	ERJ3GEYJ391	M.RESISTOR CH 1/16W 390	2	
R3627	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R3628	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R3629	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R3630	ERJ3RBD391	M.RESISTOR CH 1/16W 390	1	
R3631	ERJ3RBD302	M.RESISTOR CH 1/16W 3K	1	
R3632	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3636	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3639	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3701	ERJ3RBD221	M.RESISTOR CH 1/16W 220	1	
R3702	ERJ3RBD363	M.RESISTOR CH 1/16W 36K	1	
R3703	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3704	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R3707	ERJ3RBD681	M.RESISTOR CH 1/16W 680	1	
R3708	ERJ3RED200	M.RESISTOR CH 1/16W 20	1	
R3709	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1	
R3710	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R3711	ERJ3RBD471	M.RESISTOR CH 1/16W 470	1	
R3712	ERJ3RBD181	M.RESISTOR CH 1/16W 180	1	
R3713	ERJ3RED510	M.RESISTOR CH 1/16W 51	1	
R3714	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3715	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R3716	ERJ3RBD201	M.RESISTOR CH 1/16W 200	1	
R3717,18	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	2	
R3719	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R3720	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R3721	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1	
R3724,25	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3730	ERJ3RBD243	M.RESISTOR CH 1/16W 24K	1	
R4000	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R4001,02	ERJ14YJ682	M.RESISTOR CH 1/16W 6.8K	2	
R4003,04	ERJ6RBD223	M.RESISTOR CH 1/16W 22K	2	
R4005	ERJ3GEYJ911	M.RESISTOR CH 1/16W 910	1	
R4006	ERJ6GEYG392	M.RESISTOR CH 1/10W 3.9K	1	
R4007-10	ERJ14YJ682	M.RESISTOR CH 1/16W 6.8K	4	
R4011,12	ERJ6RBD223	M.RESISTOR CH 1/16W 22K	2	
R4013	ERJ3GEYJ911	M.RESISTOR CH 1/16W 910	1	
R4014	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R4015	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R4016	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4017	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R4018	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R4019	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R4020	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4021	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R4022,23	D1H84734A008	COMBI.R-R	2	
R4024,25	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R4026,27	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	2	
R4031	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R4032	ERJ3GEYJ334	M.RESISTOR CH 1/16W 330K	1	
R4033	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R4034	ERJ3GEYJ334	M.RESISTOR CH 1/16W 330K	1	
R4035	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R4036	ERJ3GEYJ334	M.RESISTOR CH 1/16W 330K	1	
R4100	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R4101	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4102	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R4103	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R4104	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R4105	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R4106	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1	
R4107	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	1	
R4108	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R4109	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R4110	ERJ3RBD511	M.RESISTOR CH 1/16W 510	1	
R4111	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R4112	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R4113	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R4114	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R4115,16	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R4117	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4118	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R4119	ERJ3GEYJ155	M.RESISTOR CH 1/16W 1.5M	1	
R4120	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R4121	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R4122	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4123	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R4124	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R4125	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R4126	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R4127	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R4128	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R4129	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1	
R4130	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	1	
R4131	ERJ3RBD511	M.RESISTOR CH 1/16W 510	1	
R4132	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R4133	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R4134	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R4135	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R4136,37	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R4138	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4139	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R4140	ERJ3GEYJ155	M.RESISTOR CH 1/16W 1.5M	1	
R4141	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R4153	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R4154	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R4159	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R4161	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4200,01	ERJ6RBD472	M.RESISTOR CH 1/10W 4.7K	2	
R4202	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R4203	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R4204	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R4206	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4207-09	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	3	
R4210	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R4211	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R4212	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R4213-16	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	4	
R4217	ERJ3RBD183	M.RESISTOR CH 1/16W 18K	1	
R4218-20	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	3	
R4221	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R4222	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R4223	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R4224-27	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	4	
R4228	ERJ3RBD183	M.RESISTOR CH 1/16W 18K	1	
R4229,30	ERJ6RBD472	M.RESISTOR CH 1/10W 4.7K	2	
R4231	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R4232	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R4233	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R4234	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R4235,36	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R4237,38	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	2	
R4264	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4300-02	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	3	
R4303	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R4304,05	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	
R4306	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R4307	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R4308	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4309	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R4310	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R4311	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R4312	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R4313	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R4314	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R4315	ERJ3GEYJ391	M.RESISTOR CH 1/16W 390	1	
R4317	ERJ6RBD183	M.RESISTOR CH 1/10W 18K	1	
R4318	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R4319	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R4320	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R4322	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R4323	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R4324	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R4325	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R4327	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4400,01	ERJ14YJ682	M.RESISTOR CH 1/4W 6.8K	2	
R4402	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R4403	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R4406	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R4407	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1	
R4408	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4409	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R4410	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R4411	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R4412	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R4415	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R4416	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1	
R4417	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4418	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R4419	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R4420	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R4424	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4425	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R4426	ERJ6GEYJ100	M.RESISTOR CH 1/10W 10	1	
R4427,28	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R4429-31	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	
R4432,33	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R6001	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R6002	ERJ3RBD823	M.RESISTOR CH 1/16W 82K	1	
R6003	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R6004,05	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R6007	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R6010	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R6015	D1H84734A008	COMBI.R-R	1	
R6016	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R6019	D1H84734A008	COMBI.R-R	1	
R6022	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6025	D1H84734A008	COMBI.R-R	1	
R6029	D1H84734A008	COMBI.R-R	1	
R6030	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R6031	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6033	D1H84734A008	COMBI.R-R	1	
R6034	ERJ3RBD823	M.RESISTOR CH 1/16W 82K	1	
R6035	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6036	D1H84734A008	COMBI.R-R	1	
R6038	ERJ3RBD473	M.RESISTOR CH 1/16W 47K	1	
R6039	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R6040	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6041	D1H84734A008	COMBI.R-R	1	
R6042	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R6044	EXB24V101J	COMBI.R-R 100	1	
R6045	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6046,47	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R6048	EXB24V473J	COMBI.R-R 47K	1	
R6049	EXB24V101J	COMBI.R-R 100	1	
R6050	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R6051	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6052,53	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R6054	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R6055	EXB24V103J	COMBI.R-R 10K	1	
R6056	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R6057,58	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R6059	EXB24V101J	COMBI.R-R 100	1	
R6060	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R6062	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R6063	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6064-68	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	5	
R6069	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R6070	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R6073,74	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R6079	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R6080	EXB24V101J	COMBI.R-R 100	1	
R6081-85	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	5	
R6086-88	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	
R6103	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R6104-09	D1H84734A008	COMBI.R-R	6	
R6110	EXB24V473J	COMBI.R-R 47K	1	
R6111	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6113	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6114	D1H84734A008	COMBI.R-R	1	
R6117	EXB24V473J	COMBI.R-R 47K	1	
R6118	D1H84734A008	COMBI.R-R	1	
R6200	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6202	D1H84734A008	COMBI.R-R	1	
R6203,04	EXBV8V102J	COMBI.R-R 2K	2	D1H810240001
R6205,06	D1H84734A008	COMBI.R-R	2	
R6209	D1H84734A008	COMBI.R-R	1	
R6210	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6212	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6213	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6300	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6301	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6302,03	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R6304	D1H84734A008	COMBI.R-R	1	
R6307-10	D1H84734A008	COMBI.R-R	4	
R6313,14	D1H84734A008	COMBI.R-R	2	
R6315,16	EXBV8V102J	COMBI.R-R 2K	2	D1H810240001
R6317-20	ERJ6GEYG121	M.RESISTOR CH 1/10W 120	4	
R6321,22	D1H84734A008	COMBI.R-R	2	
R6323	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6328	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R6329	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6400	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6401	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6405	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6406	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R6407-10	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	4	
R6411	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6412,13	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R6414-16	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R6417	D1H84734A008	COMBI.R-R	1	
R6500	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R6501-03	D1H84704A008	COMBI.R-R	3	
R6504	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6505-10	D1H84704A008	COMBI.R-R	6	
R6511	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6512	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R6513	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6516	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R6517-23	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	7	
R7001	ERJ3GEYJ334	M.RESISTOR CH 1/16W 330K	1	
R7002	ERJ3GEYJ224	M.RESISTOR CH 1/16W 220K	1	
R7003	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R7004	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	1	
R7005	ERJ3GEYJ334	M.RESISTOR CH 1/16W 330K	1	
R7006	ERJ3GEYJ224	M.RESISTOR CH 1/16W 220K	1	
R7088	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R7089	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R7090	ERJ3RBD751	M.RESISTOR CH 1/16W 750	1	
R7091	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R7092	ERJ3RBD121	M.RESISTOR CH 1/16W 120	1	
R7093	ERJ3RBD331	M.RESISTOR CH 1/16W 330	1	
R7094	ERJ3RED470	M.RESISTOR CH 1/16W 47	1	
R7095	ERJ3RBD181	M.RESISTOR CH 1/16W 180	1	
R7096	ERJ3RED470	M.RESISTOR CH 1/16W 47	1	
R7097	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R7098	ERJ3RED150	M.RESISTOR CH 1/16W 15	1	
R7099	D1H84734A008	COMBI.R-R	1	
R7100	L311J101J332	THERMO-SENSITIVE RESISTOR	1	
R7102	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R7103	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R7104,05	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R7106,07	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R7108	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R7109	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R7110	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R7111,12	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R7114-16	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	3	
R7117	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R7118	ERJ3GEYJ163	M.RESISTOR CH 1/16W 16K	1	
R7119	ERJ3GEYJ202	M.RESISTOR CH 1/16W 2K	1	
R7121	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R7123	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R7124	ERJ3GEYJ510	M.RESISTOR CH 1/16W 51	1	
R7125	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R7126	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R7127,28	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R7129	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R7130	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R7131	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R7132	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R7133	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R7134	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R7135	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R7136	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R7137	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R7138	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R7139	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	1	
R7140	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R7141,42	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	2	
R7143	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R7144	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R7145,46	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R7147	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R7148	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R7149	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R7150	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R7151,52	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	
R7153	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R7154	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R7155	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R7160	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R7161	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R7162	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R7163	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R7164	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R7165	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R7166	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R7167	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R7168	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R7169	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R7170	ERJ3GEYJ914	M.RESISTOR CH 1/16W 910K	1	
R7171	ERJ3RBD203	M.RESISTOR CH 1/16W 20K	1	
R7172	ERJ3RBD432	M.RESISTOR CH 1/16W 4.3K	1	
R7173	ERJ3RBD512	M.RESISTOR CH 1/16W 5.1K	1	
R7174	ERJ3RBD751	M.RESISTOR CH 1/16W 750	1	
R7175	ERJ3RBD683	M.RESISTOR CH 1/16W 68K	1	
R7176	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R7177	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R7178	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R7179,80	ERJ3RBD471	M.RESISTOR CH 1/16W 470	2	
R7181	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R7182	ERJ3RBD242	M.RESISTOR CH 1/16W 2.4K	1	
R7183	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R7184	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R7185	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R7186	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R7187	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R7188	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R7189	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R7190	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R7192	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R7197	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R7198	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R7200	L311J101J332	THERMO-SENSITIVE RESISTOR	1	
R7202	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R7203	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R7204,05	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R7206,07	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R7208	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R7209	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R7210	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R7211,12	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R7214-16	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	3	
R7217	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R7218	ERJ3GEYJ163	M.RESISTOR CH 1/16W 16K	1	
R7219	ERJ3GEYJ202	M.RESISTOR CH 1/16W 2K	1	
R7221	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R7223	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R7224	ERJ3GEYJ510	M.RESISTOR CH 1/16W 51	1	
R7225	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R7226	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R7227,28	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R7229	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R7230	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R7231	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R7232	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R7233	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R7234	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R7235	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R7236	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R7237	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R7238	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R7239	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	1	
R7240	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R7241,42	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	2	
R7243	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R7244	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R7245,46	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R7247	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R7248	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R7249	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R7250	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R7251,52	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	
R7253	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R7254	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R7255	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R7260	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R7261	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R7262	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R7263	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R7264	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R7265	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R7266	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R7267	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R7268	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R7269	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R7270	ERJ3GEYJ914	M.RESISTOR CH 1/16W 910K	1	
R7271	ERJ3RBD203	M.RESISTOR CH 1/16W 20K	1	
R7272	ERJ3RBD432	M.RESISTOR CH 1/16W 4.3K	1	
R7273	ERJ3RBD512	M.RESISTOR CH 1/16W 5.1K	1	
R7274	ERJ3RBD751	M.RESISTOR CH 1/16W 750	1	
R7275	ERJ3RBD683	M.RESISTOR CH 1/16W 68K	1	
R7276	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R7277	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R7278	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R7279,80	ERJ3RBD471	M.RESISTOR CH 1/16W 470	2	
R7281	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R7282	ERJ3RBD242	M.RESISTOR CH 1/16W 2.4K	1	
R7283	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R7284	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R7285	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R7286	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R7287	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R7288	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R7289	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R7290	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R7292	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R7297	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R7298	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R7300	L311J101J332	THERMO-SENSITIVE RESISTOR	1	
R7302	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R7303	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R7304,05	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R7306,07	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R7308	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R7309	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R7310	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R7311,12	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R7314-16	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	3	
R7317	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R7318	ERJ3GEYJ163	M.RESISTOR CH 1/16W 16K	1	
R7319	ERJ3GEYJ202	M.RESISTOR CH 1/16W 2K	1	
R7321	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R7323	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R7324	ERJ3GEYJ510	M.RESISTOR CH 1/16W 51	1	
R7325	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R7326	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R7327,28	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R7329	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R7330	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R7331	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R7332	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R7333	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R7334	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R7335	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R7336	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R7337	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R7338	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R7339	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	1	
R7340	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R7341,42	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	2	
R7343	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R7344	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R7345,46	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R7347	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R7348	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R7349	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R7350	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R7351,52	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	
R7353	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R7354	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R7355	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R7360	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R7361	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R7362	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R7363	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R7364	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R7365	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R7366	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R7367	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R7368	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R7369	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R7370	ERJ3GEYJ914	M.RESISTOR CH 1/16W 910K	1	
R7371	ERJ3RBD203	M.RESISTOR CH 1/16W 20K	1	
R7372	ERJ3RBD432	M.RESISTOR CH 1/16W 4.3K	1	
R7373	ERJ3RBD512	M.RESISTOR CH 1/16W 5.1K	1	
R7374	ERJ3RBD751	M.RESISTOR CH 1/16W 750	1	
R7375	ERJ3RBD683	M.RESISTOR CH 1/16W 68K	1	
R7376	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R7377	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R7378	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R7379,80	ERJ3RBD471	M.RESISTOR CH 1/16W 470	2	
R7381	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R7382	ERJ3RBD242	M.RESISTOR CH 1/16W 2.4K	1	
R7383	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R7384	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R7385	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R7386	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R7387	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R7388	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R7389	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R7390	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R7392	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R7397	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R7398	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R7501,02	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R7503	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R7504	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R7506	ERJ3RBD104	M.RESISTOR CH 1/16W 100K	1	
R7507	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R7508	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R7509	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R7511	ERJ3RBD104	M.RESISTOR CH 1/16W 100K	1	
R7512	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R7513	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R7514	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R7516	ERJ3RBD104	M.RESISTOR CH 1/16W 100K	1	
R7517,18	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R7519	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R7520	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R7521	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R7522	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R7523	ERJ3RBD104	M.RESISTOR CH 1/16W 100K	1	
R7524	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R7525	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R7526	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R7527	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R7528	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R7529	ERJ3RBD104	M.RESISTOR CH 1/16W 100K	1	
R7530	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R7531	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R7532	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R7533	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R7534	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R7535	ERJ3RBD104	M.RESISTOR CH 1/16W 100K	1	
R8001	EXB24V473J	COMBI.R-R 47K	1	
R8002	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1	
R8007	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R8010	D1H84734A008	COMBI.R-R	1	
R8017	ERJ3RBD432	M.RESISTOR CH 1/16W 4.3K	1	
R8018	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R8049	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R8050	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R8051,52	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R8053	EXB24V101J	COMBI1R-R 100	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R8055	D1H810140001	COMBI.R-R	1	
R8059	ERJ3RBD433	M.RESISTOR CH 1/16W 43K	1	
R8060	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R8061	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R8062	ERJ3GEYJ433	M.RESISTOR CH 1/16W 43K	1	
R8063,64	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R8065	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R8066	ERJ3GEYJ202	M.RESISTOR CH 1/16W 2K	1	
R8067	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R8096	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R8097	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R8098	ERJ3GEYJ512	M.RESISTOR CH 1/16W 5.1K	1	
R8099	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R8100,01	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R8104	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R8106	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R8111	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R8112,13	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R8121	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R8123	ERJ3RBD203	M.RESISTOR CH 1/16W 20K	1	
R8124	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R8125	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R8131	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R8132	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R8134,35	ERJ3GEYJ225	M.RESISTOR CH 1/16W 2.2M	2	
R8138	ERJ3GEYJ623	M.RESISTOR CH 1/16W 62K	1	
R8139	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	1	
R8152	ERJ3RBD431	M.RESISTOR CH 1/16W 430	1	
R8182	ERJ3GEYJ750	M.RESISTOR CH 1/16W 75	1	
R8183	ERJ3GEYJ752	M.RESISTOR CH 1/16W 7.5K	1	
R8184	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R8186	ERJ3GEYJ684	M.RESISTOR CH 1/16W 680K	1	
R8187	ERJ3GEYJ202	M.RESISTOR CH 1/16W 2K	1	
R8188	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R8189	ERJ3GEYJ202	M.RESISTOR CH 1/16W 2K	1	
R8190	ERJ3GEYJ181	M.RESISTOR CH 1/16W 180	1	
R8191	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R8192	ERJ3GEYJ912	M.RESISTOR CH 1/16W 9.1K	1	
R8193	ERJ3GEYJ560	M.RESISTOR CH 1/16W 56	1	
R8194,95	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R8196	ERJ3GEYJ512	M.RESISTOR CH 1/16W 5.1K	1	
R8197,98	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	2	
R8199	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R8201,02	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R8203	ERJ3GEYJ303	M.RESISTOR CH 1/16W 30K	1	
R8204	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R8206	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R8223,24	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	2	
R8225	ERJ3GEYJ202	M.RESISTOR CH 1/16W 2K	1	
R8227	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R8232	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R8233	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R8235	ERJ3GEYJ362	M.RESISTOR CH 1/16W 3.6K	1	
R8248	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R8249	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R8250	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R8251	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R8252	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R8253	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R8254	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R8255	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R8256	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R8259	ERJ3RBD511	M.RESISTOR CH 1/16W 510	1	
R8263	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R8264	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R8265	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R8266	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R8267	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R8268	ERJ3RBD911	M.RESISTOR CH 1/16W 90	1	
R8269	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R8270-73	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	4	
R8276	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R8277	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	1	
R8281	ERJ3GEYJ271	M.RESISTOR CH 1/16W 270	1	
R8291	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R8299	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R8301	ERJ3RBD201	M.RESISTOR CH 1/16W 200	1	
R8305	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	1	
R8307	ERJ3RBD271	M.RESISTOR CH 1/16W 270	1	
R8308	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R8309	D1H84734A008	COMBI.R-R	1	
R8313	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R8319	ERJ3GEYJ225	M.RESISTOR CH 1/16W 2.2M	1	
R8320	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R8321	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R8401	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R8402	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R8403	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R8406	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R8410	ERJ3GEYJ564	M.RESISTOR CH 1/16W 560K	1	
R8423	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R8427	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R8434,35	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R8438	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R8440	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R8442	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R8445	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R8446	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R8447	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R8448	ERJ3RBD362	M.RESISTOR CH 1/16W 3.6K	1	
R8449	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R8450	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R8451	L311J332G502	THERMO SENSING RESISTOR	1	D4B332500001
R8452	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R8453	ERJ3GEYJ303	M.RESISTOR CH 1/16W 30K	1	
R8454	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	1	
R8455	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R8456	ERJ3GEYJ303	M.RESISTOR CH 1/16W 30K	1	
R8457	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	1	
R8459	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R8460	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R8550-53	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R8605	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R8607-11	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	5	
R8650	ERJ3GEYJ181	M.RESISTOR CH 1/16W 180	1	
R8651	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R8652	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R8653	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1	
R8654	ERJ3GEYJ162	M.RESISTOR CH 1/16W 1.6K	1	
R8655	ERJ3GEYJ132	M.RESISTOR CH 1/16W 1.3K	1	
R8656	ERJ3GEYJ363	M.RESISTOR CH 1/16W 36K	1	
R8660	ERJ3RBD113	M.RESISTOR CH 1/16W 11K	1	
R8661	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R8662	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R8663,64	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R8700,01	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R8702	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R8703	EXB24V473J	COMBI.R-R 47K	1	
R8704	ERJ3RBD242	M.RESISTOR CH 1/16W 2.4K	1	
R8708	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R8709	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R8711	D1H84734A008	COMBI.R-R	1	
R8712	ERJ3GEYJ303	M.RESISTOR CH 1/16W 30K	1	
R8713	EXB24V101J	COMBI.R-R 100	1	
R8714,15	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R8716,17	EXB24V101J	COMBI.R-R 100	2	
R8718	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R8719	EXB24V101J	COMBI.R-R 100	1	
R8750-53	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	4	
R8755	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R8756	ERJ3RBD392	COMBI.R-R 3.9K	1	
R8757	ERJ3RBD223	COMBI.R-R 22K	1	
R8758	ERJ3RBD333	COMBI.R-R 33K	1	
R8759-61	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R8762	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R8763,64	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R8766	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1	
R8767	ERJ3RBD393	M.RESISTOR CH 1/16W 39K	1	
R8768	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R8769,70	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R8771	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R8772	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R8773	ERJ3RBD391	M.RESISTOR CH 1/16W 390	1	
R8774	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R8775,76	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	2	
R8777,78	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R8779	EXB24V473J	COMBI.R-R 47K	1	
R8784	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R8785	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R8786	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R8790	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R8800	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R8801-03	ERJ3RED750	M.RESISTOR CH 1/16W 75	3	
R8804-06	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	3	
R8807	ERJ3RBD113	M.RESISTOR CH 1/16W 11K	1	
R8808	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R8810	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R8811	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R8813	ERJ3RBD201	M.RESISTOR CH 1/16W 200	1	
R8814	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R8815	ERJ3GEYJ302	M.RESISTOR CH 1/16W 3K	1	
R8816	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R8817	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R8818	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R8819	ERJ3RBD201	M.RESISTOR CH 1/16W 200	1	
R8820	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R8821	ERJ3GEYJ302	M.RESISTOR CH 1/16W 3K	1	
R8822	ERJ3RBD201	M.RESISTOR CH 1/16W 200	1	
R8823	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R8824	ERJ3GEYJ302	M.RESISTOR CH 1/16W 3K	1	
R8825	ERJ3RBD243	M.RESISTOR CH 1/16W 24K	1	
R8826	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R8827	ERJ3RBD362	M.RESISTOR CH 1/16W 3.6K	1	
R8828	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R8829	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
RY4000,01	K6B2CDB00010	RELAY	2	
SW6300	VSS0367-04TB	SWITCH	1	
TG3001	EYF6CU	TEST POINT	1	
TG3701	EYF6CU	TEST POINT	1	
TG4201	EYF6CU	TEST POINT	1	
TG7001	EYF6CU	TEST POINT	1	
TP1	EYF6CU	TEST POINT	1	
TP3001-03	EYF6CU	TEST POINT	3	
TP3303-06	EYF6CU	TEST POINT	4	
TP3413-15	EYF6CU	TEST POINT	3	
TP3603	EYF6CU	TEST POINT	1	
TP3701	EYF6CU	TEST POINT	1	
TP4100,01	EYF6CU	TEST POINT	2	
TP4300-02	EYF6CU	TEST POINT	3	
TP6100	EYF6CU	TEST POINT	1	
TP7101	EYF6CU	TEST POINT	1	
TP7201	EYF6CU	TEST POINT	1	
TP7301	EYF6CU	TEST POINT	1	
TP8001	EYF6CU	TEST POINT	1	
VC6100	VCV0047	TRIMMER	1	
VR3001,02	EVM7JGA00B52	V.RESISTOR 500	2	
VR3003-05	EVM7JGA00B13	V.RESISTOR 1K	3	
VR3701	EVM7JGA00B52	V.RESISTOR 500	1	
VR4300	EVM7JGA00B14	V.RESISTOR 10K	1	
VR4301	EVM7JGA00B54	V.RESISTOR 50K	1	
VR4400,01	EVM7JGA00B14	V.RESISTOR 10K	2	
VR8283	EVM7JGA00B14	V.RESISTOR 10K	1	
X3401	VSX0847	CRYSTAL OSCILLATOR	1	H0J270500019
X6100	VSX0602	CRYSTAL OSCILLATOR	1	H0J327200050
X6500	H0J122500008	CRYSTAL OSCILLATOR	1	
X8001	H0J120500005	CRYSTAL OSCILLATOR	1	
X8002,03	H0J286500009	CRYSTAL OSCILLATOR	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
		MISCELLANEOUS		
	VMS6507	P.C.BOARD POST	2	K9ZZ00000592
	XYN26+K6	SCREW	4	
	C3FBEZ000002	MICRO COMPUTER	1	
■ E2	VEP82241C	RF & SERVO P.C.BOARD	1	(RTL)
■	VEP85200A	REC/HEAD AMP P.C.BOARD	1	(RTL)FOR VEP82241C
C1-C6	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	6	FOR VEP85200A
C7-C9	ECST1CC336Z	T.CAPACITOR CH 16V 33U	3	FOR VEP85200A
C10	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	FOR VEP85200A
C11,12	ECST1CX106Z	T.CAPACITOR CH 16V 10U	2	FOR VEP85200A
C13-18	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	6	FOR VEP85200A
C21-24	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	FOR VEP85200A
C26,27	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	FOR VEP85200A
C28,29	ECST1AC336Z	T.CAPACITOR CH 10V 33U	2	FOR VEP85200A
C30,31	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	FOR VEP85200A
C33	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	FOR VEP85200A
C100	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C101	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	FOR VEP85200A
C101	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C102	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	FOR VEP85200A
C102	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C103	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	FOR VEP85200A
C103	ECUX1H104KBV	C.CAPACITOR CH 50V 0.1U	1	
C104	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	FOR VEP85200A
C104	ECUX1H104KBV	C.CAPACITOR CH 50V 0.1U	1	
C105	ECUX1C334KBN	C.CAPACITOR CH 16V 0.33U	1	
C106	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	FOR VEP85200A
C106	ECUX1H104KBV	C.CAPACITOR CH 50V 0.1U	1	
C107,08	ECUX1H150JCV	C.CAPACITOR CH 50V 15P	2	
C110	ECUX1H104KBV	C.CAPACITOR CH 50V 0.1U	1	
C110	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	1	FOR VEP85200A
C111	ECUX1H104KBV	C.CAPACITOR CH 50V 0.1U	1	
C111	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	1	FOR VEP85200A
C112	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	FOR VEP85200A
C113	ECUX1H104KBV	C.CAPACITOR CH 50V 0.1U	1	
C114	ECUX1H270JCV	C.CAPACITOR CH 50V 27P	1	FOR VEP85200A
C115	ECUX1H080DCV	C.CAPACITOR CH 50V 8P	1	FOR VEP85200A
C115	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C116	ECUX1H080DCV	C.CAPACITOR CH 50V 8P	1	FOR VEP85200A
C116	ECUX1H104KBV	C.CAPACITOR CH 50V 0.1U	1	
C117,18	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C118	ECUX1H270JCV	C.CAPACITOR CH 50V 27P	1	FOR VEP85200A
C119	ECUX1H080DCV	C.CAPACITOR CH 50V 8P	1	FOR VEP85200A
C119	ECUX1H332KBV	C.CAPACITOR CH 50V 3300P	1	
C120	ECUX1H080DCV	C.CAPACITOR CH 50V 8P	1	FOR VEP85200A
C120	ECUX1H332KBV	C.CAPACITOR CH 50V 3300P	1	
C121	ECUX1H104KBV	C.CAPACITOR CH 50V 0.1U	1	
C122	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C125	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C126	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C127-29	ECUX1H104KBV	C.CAPACITOR CH 50V 0.1U	3	
C200,01	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C202	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	FOR VEP85200A
C203,04	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	2	
C205	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	1	
C206	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C206	F1J0J475A006	C.CAPACITOR CH6.3V 1U	1	FOR VEP85200A
C207	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	1	
C207	F1J0J475A006	C.CAPACITOR CH6.3V 1U	1	FOR VEP85200A
C208,09	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C210	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	
C211	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	FOR VEP85200A
C211	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C212	ECUX1H121JCV	C.CAPACITOR CH 50V 120P	1	FOR VEP85200A
C212	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C213	ECUX1H104KBV	C.CAPACITOR CH 50V 0.1U	1	
C213	ECUX1H121JCV	C.CAPACITOR CH 50V 120P	1	FOR VEP85200A

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C214,15	ECUX1C333KBV	C.CAPACITOR CH 16V 0.033U	2	
C215	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	FOR VEP85200A
C216	ECUX1H332KBV	C.CAPACITOR CH 50V 3300P	1	
C217	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	
C217	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	FOR VEP85200A
C218,02	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	FOR VEP85200A
C219	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C220	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	FOR VEP85200A
C220	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C221	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	FOR VEP85200A
C221	ECUX1H332KBV	C.CAPACITOR CH 50V 3300P	1	
C222	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	
C222	ECUX1H104KBV	C.CAPACITOR CH 50V 0.1U	1	FOR VEP85200A
C223	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	FOR VEP85200A
C223-25	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	3	
C226	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	FOR VEP85200A
C226	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C227	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	FOR VEP85200A
C227	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C228	ECUX1H104KBV	C.CAPACITOR CH 50V 0.1U	1	
C229	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	FOR VEP85200A
C229,30	ECUX1C333KBV	C.CAPACITOR CH 16V 0.033U	2	
C230	ECUX1H104KBV	C.CAPACITOR CH 50V 0.1U	1	FOR VEP85200A
C231	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	FOR VEP85200A
C231	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C232	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	FOR VEP85200A
C232	ECUX1H104KBV	C.CAPACITOR CH 50V 0.1U	1	
C233	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	FOR VEP85200A
C233	ECUX1H104KBV	C.CAPACITOR CH 50V 0.1U	1	
C234	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	FOR VEP85200A
C234-37	ECUX1H104KBV	C.CAPACITOR CH 50V 0.1U	4	
C238-40	EEVHB1E330P	E.CAPACITOR 25V 33U	3	
C242	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C300,01	EEVHB1H3R3	E.CAPACITOR 50V 3.3U	2	
C301	F1J0J475A006	C.CAPACITOR CH6.3V 1U	1	FOR VEP85200A
C302	ECUX1H104KBV	C.CAPACITOR CH 50V 0.1U	1	
C302	F1J0J475A006	C.CAPACITOR CH6.3V 1U	1	FOR VEP85200A
C303	ECUX1H104KBV	C.CAPACITOR CH 50V 0.1U	1	
C303	F1J0J475A006	C.CAPACITOR CH6.3V 1U	1	FOR VEP85200A
C304	ECUX1C333KBV	C.CAPACITOR CH 16V 0.033U	1	
C304	F1J0J475A006	C.CAPACITOR CH6.3V 1U	1	FOR VEP85200A
C305	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	
C305	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	FOR VEP85200A
C306	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	FOR VEP85200A
C306	ECUX1C333KBV	C.CAPACITOR CH 16V 0.033U	1	
C307	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	
C307	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	FOR VEP85200A
C308	ECUX1H104KBV	C.CAPACITOR CH 50V 0.1U	1	FOR VEP85200A
C308	EEVHB1E4R7	E.CAPACITOR 25V 4.7U	1	
C309	ECUX1H104KBV	C.CAPACITOR CH 50V 0.1U	1	FOR VEP85200A
C309	EEVHB1E4R7	E.CAPACITOR 25V 4.7U	1	
C310	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	FOR VEP85200A
C310,11	ECUX1H104KBV	C.CAPACITOR CH 50V 0.1U	2	
C311	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	FOR VEP85200A
C312	ECUX1H104KBV	C.CAPACITOR CH 50V 0.1U	1	
C312	ECUX1H681JCV	C.CAPACITOR CH 50V 680P	1	FOR VEP85200A
C313	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	FOR VEP85200A
C313	ECUX1H104KBV	C.CAPACITOR CH 50V 0.1U	1	
C314	ECUX1C333KBV	C.CAPACITOR CH 16V 0.033U	1	
C314	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	FOR VEP85200A
C315	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	
C316	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	FOR VEP85200A
C316	EEVHB1E4R7	E.CAPACITOR 25V 4.7U	1	
C317	ECUX1C333KBV	C.CAPACITOR CH 16V 0.033U	1	
C317	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	FOR VEP85200A
C318	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	
C318	ECUX1H104KBV	C.CAPACITOR CH 50V 0.1U	1	FOR VEP85200A
C319	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	FOR VEP85200A
C319-21	EEVHB1E4R7	E.CAPACITOR 25V 4.7U	3	
C322-24	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	3	
C324	ECUX1H104KBV	C.CAPACITOR CH 50V 0.1U	1	FOR VEP85200A
C325,26	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C327	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	FOR VEP85200A
C327	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C328	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	FOR VEP85200A

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C328,29	ECUX1H104KBV	C.CAPACITOR CH 50V 0.1U	2	
C330,31	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	2	
C400,01	EEVHB1H3R3	E.CAPACITOR 50V 3.3U	2	
C402-05	F1K0J1060002	C.CAPACITOR CH6.3V 10U	4	
C406-09	ECUX1H102JV	C.CAPACITOR CH 50V 1000P	4	
C410	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C411	EEVHB1H3R3	E.CAPACITOR 50V 3.3U	1	
C412	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C413-16	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	4	
C417	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C418-20	ECUX1H104KBV	C.CAPACITOR CH 50V 0.1U	3	
C421	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C422	EEVHB1H3R3	E.CAPACITOR 50V 3.3U	1	
C423	EEVHB1E330P	E.CAPACITOR 25V 33U	1	
C424	ECUX1H104KBV	C.CAPACITOR CH 50V 0.1U	1	
C425,26	EEVHB0J330	E.CAPACITOR 6.3V 33U	2	
C600	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C602	EEVHB1E330P	E.CAPACITOR 25V 33U	1	
C603-05	ECUX1H104KBV	C.CAPACITOR CH 50V 0.1U	3	
C606	EEUFC1E101S	E.CAPACITOR 25V 100P	1	
C700	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	
C702-16	ECUX1H104KBV	C.CAPACITOR CH 50V 0.1U	15	
C800-03	VCE0180	E.CAPACITOR	4	F2G1E1010003
C804	ECUX1H104KBV	C.CAPACITOR CH 50V 0.1U	1	
C805-08	VCE0180	E.CAPACITOR	4	F2G1E1010003
C809	VCC0037F432	C.CAPACITOR 432P	1	
C810	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C811	ECUX1H104KBV	C.CAPACITOR CH 50V 0.1U	1	
C812	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C813	ECUX1H104KBV	C.CAPACITOR CH 50V 0.1U	1	
C814	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	
C900,01	ECUX1H104KBV	C.CAPACITOR CH 50V 0.1U	2	
C902,03	ECA12HG472L	E.CAPACITOR 4700U	2	
C950	ECUX1H122KBV	C.CAPACITOR CH 50V 1200P	1	
C951	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C952	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C953	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C954	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	
C955,56	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C957	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C958	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C959,60	EEVHB1C220	E.CAPACITOR 16V 22U	2	
D100,01	MA142K-G	DIODE	2	FOR VEP85200A
D200	MA142WK-G	DIODE	1	
D201	MA143-G	DIODE	1	
D201	MA3S132E0L	DIODE	1	FOR VEP85200A
D202	MA142WK-G	DIODE	1	
D202	MA3S132E0L	DIODE	1	FOR VEP85200A
D203	MA143-G	DIODE	1	
D204	MA3S132E0L	DIODE	1	FOR VEP85200A
D300,01	MA142WK-G	DIODE	2	
D400-03	MA143-G	DIODE	4	
D404,05	MA2Q73600L	DIODE	2	
D600-02	MA142WK-G	DIODE	3	
D603	MA143-G	DIODE	1	
D604	MA3056-M	DIODE	1	MAZ30560ML
D605	MA3051-M	DIODE	1	MAZ30510ML
D606	MA2Q73800L	DIODE	1	
D607	MA142WK-G	DIODE	1	
D700-02	MA142WK-G	DIODE	3	
D703,04	MAZ80470HL	DIODE	2	
D705	MAZ80620HL	DIODE	1	
D706,07	MAZ30430ML	DIODE	2	
D708	MA3051-M	DIODE	1	MAZ30510ML
D709-20	EC15QS04	DIODE	12	
D800-03	MA2J72800L	DIODE	4	
D804-07	MA2Q73600L	DIODE	4	
D900	MA8051-H	DIODE	1	MAZ80510HL
D901	NSQ03A04	DIODE	1	B0JCPE000013
D950	MA143-G	DIODE	1	
D951,52	MA147-G	DIODE	2	
FL1,L2	J0HAAC000013	FILTER	2	FOR VEP85200A

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC1	XC62FP3002P	IC	1	FOR VEP85200A
IC2	C0CBADD00003	IC	1	FOR VEP85200A
IC3	C0CBBDB00004	IC	1	FOR VEP85200A
IC5	TLCX86FT	IC	1	FOR VEP85200A
IC6	C0JBAF000224	IC	1	FOR VEP85200A
IC9	C0JBAZ000851	IC	1	FOR VEP85200A
IC100	C0JBAZ000608	IC	1	
IC101	C0CBABD00005	IC	1	
IC101	S80715ANDC	IC	1	FOR VEP85200A
IC102	C0JBAB000180	IC	1	FOR VEP85200A
IC102	C0JBAF000184	IC	1	
IC103	C0JBAA000117	VHC	1	FOR VEP85200A
IC103	C0JBAF000184	IC	1	
IC104	TC7SH14FU	IC	1	FOR VEP85200A
IC104	TVHC86FT	IC	1	
IC105	S80829ANUP	IC	1	
IC106	C0JBAZ000529	IC	1	
IC107	MN1030F04K	IC	1	
IC200	C0CBADD00003	IC	1	
IC201	C0BBBA000030	IC	1	
IC201	TC7SH04FU	IC	1	FOR VEP85200A
IC202	C0ABCA000038	IC	1	
IC202	C0JBAA000117	VHC	1	
IC203	C0ABCA000038	IC	1	
IC204	AN3890FBS	IC	1	
IC204	TC7W32FU	IC	1	
IC205	C0ABEB000035	IC	1	FOR VEP85200A
IC205	C0BBCA000021	IC	1	
IC206	C0JBAZ000608	IC	1	
IC206	T4069UBFT	IC	1	FOR VEP85200A
IC207	AN3890FBS	IC	1	
IC208,09	B1HFPCE00001	IC	2	
IC300	C0ABCA000038	IC	1	
IC301	AN3841SR	IC	1	
IC301	C0JBAB000200	IC	1	FOR VEP85200A
IC302	AN3732FHQ	IC	1	FOR VEP85200A
IC302	AN3841SR	IC	1	
IC400	C0ABCA000038	IC	1	
IC401	UPC4558G2	IC	1	C0ABBB000131
IC402	C0ABCA000038	IC	1	
IC403	C0BBCA000021	IC	1	
IC404	UPC4558G2	IC	1	C0ABBB000131
IC602	C0GBM0000003	IC	1	
IC700	TC4538BF	IC	1	
IC701-03	C0GBM0000003	IC	3	
IC800	TL1451CNS	IC	1	C0DBAMA00001
IC900	C0ABBA000071	IC	1	
IC950	C0ABBB000130	IC	1	
ID107	VVVSI3695	SOFTWARE	1	
J1	VJR1094	TERMINAL	1	
J501,02	VJR1094	TERMINAL	2	
L1	VLQ0319K220	COIL 22UH	1	FOR VEP85200A
L2,L3	VLQ0319K101	COIL 100UH	2	FOR VEP85200A
L101-04	VLQ0426J2R2	COIL 2.2UH	4	FOR VEP85200A
L201,02	VLQ0163J330	COIL 33UH	2	FOR VEP85200A
L301	VLQ0319K330	COIL 33UH	1	FOR VEP85200A
L302	VLQ0319K100	COIL 10UH	1	FOR VEP85200A
L600	VLQ0319K101	COIL 100UH	1	G1C101K00022
L800-03	VLQ0650M151	COIL 150UH	4	G1C151MA0016
L950	VLQ0319K101	COIL 100UH	1	G1C101K00022
P1	VJS3899D013	CONNECTOR (FEMALE)	1	FOR VEP85200A
P2	VJS3826C024	CONNECTOR (FEMALE)	1	FOR VEP85200A
P500	VJP3172D003	CONNECTOR (MALE)	1	K1KA03B00006
P501	VJP3172D002	CONNECTOR (MALE)	1	K1KA02B00051
P502	VJP3172D004	CONNECTOR (MALE)	1	K1KA04B00007
P503	VJP3172D002	CONNECTOR (MALE)	1	K1KA02B00051
P504	VJP3172D003	CONNECTOR (MALE)	1	K1KA03B00006
P505	K1KA02B00075	CONNECTOR (MALE)	1	
P506	VJP3172D003	CONNECTOR (MALE)	1	K1KA03B00006
P507	K1MN10B00052	CONNECTOR (FEMALE)	1	
P508	K1KA02B00075	CONNECTOR (MALE)	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
P509	VJP3172D002	CONNECTOR (MALE)	1	K1KA02B00051
P510	K1KA03B00102	CONNECTOR (MALE)	1	
P511	K1KA02B00075	CONNECTOR (MALE)	1	
P512	VJP3172D004	CONNECTOR (MALE)	1	K1KA04B00007
P513	K1MN15B00033	CONNECTOR (FEMALE)	1	
P514,15	VJS3813C017	CONNECTOR (FEMALE)	2	K1MN17B00012
P516	K1MN19B00007	CONNECTOR (FEMALE)	1	
P517	VJP1235T	CONNECTOR (MALE) 8P	1	
P518	VJP3125B002	CONNECTOR (MALE)	1	K1KA02B00111
P520	K1MN20A00036	CONNECTOR (FEMALE)	1	
P521	VJS3801D040	CONNECTOR (FEMALE)	1	K1MN40B00010
P522	VJS3801D024	CONNECTOR (FEMALE)	1	
Q2	2SB1114T2ZKL	TRANSISTOR	1	FOR VEP85200A
Q3	2SD1280-ST	TRANSISTOR	1	FOR VEP85200A
Q4	2SB1218ALL	TRANSISTOR	1	FOR VEP85200A
Q101,02	2SB0709ALL	TRANSISTOR	2	FOR VEP85200A
Q103-06	2SC3735B35	TRANSISTOR	4	FOR VEP85200A
Q200	2SD1819ALL	TRANSISTOR	1	
Q201	2SA15320XL	TRANSISTOR	1	FOR VEP85200A
Q201	2SD1819ALL	TRANSISTOR	1	
Q202	2SA15320XL	TRANSISTOR	1	FOR VEP85200A
Q202	2SD1819ALL	TRANSISTOR	1	
Q203	2SC3930	TRANSISTOR	1	FOR VEP85200A
Q203	2SD1819ALL	TRANSISTOR	1	
Q204	2SC3930	TRANSISTOR	1	FOR VEP85200A
Q205	2SA15320XL	TRANSISTOR	1	FOR VEP85200A
Q206	2SC2954	TRANSISTOR	1	FOR VEP85200A
Q207	2SA15320XL	TRANSISTOR	1	FOR VEP85200A
Q208,09	XN0150400L	TRANSISTOR	2	FOR VEP85200A
Q211	2SC2954	TRANSISTOR	1	FOR VEP85200A
Q212,13	XN0150400L	TRANSISTOR	2	FOR VEP85200A
Q216	2SC2954	TRANSISTOR	1	FOR VEP85200A
Q303,04	2SC3930	TRANSISTOR	2	FOR VEP85200A
Q308,09	2SC3930	TRANSISTOR	2	FOR VEP85200A
Q400	2SB1219ALL	TRANSISTOR	1	
Q600	2SD1819ALL	TRANSISTOR	1	
Q601	2SD1624-S	TRANSISTOR	1	
Q602	2SB10730LL	TRANSISTOR	1	
Q603	2SD1819ALL	TRANSISTOR	1	
Q700-02	2SD06010RL	TRANSISTOR	3	
Q703-05	2SB10730LL	TRANSISTOR	3	
Q800-03	2SB10730LL	TRANSISTOR	4	
Q900	2SB936A-P	TRANSISTOR	1	2SB0936APL
Q901	2SD1819ALL	TRANSISTOR	1	
Q950	2SD0601ARL	TRANSISTOR	1	
Q951,52	2SB0709ARL	TRANSISTOR	2	
Q953	2SD0601ARL	TRANSISTOR	1	
Q954	2SB0709ARL	TRANSISTOR	1	
Q955	2SD0601ARL	TRANSISTOR	1	
QR2,R3	UNR521300L	TRANSISTOR	2	FOR VEP85200A
QR100-02	UNR521300L	TRANSISTOR-RESISTOR	3	FOR VEP85200A
QR200,01	UNR521300L	TRANSISTOR-RESISTOR	2	
QR600	UNR521400L	TRANSISTOR-RESISTOR	1	
QR601	UNR511400L	TRANSISTOR-RESISTOR	1	
QR602	UNR521400L	TRANSISTOR-RESISTOR	1	
QR603	UNR511400L	TRANSISTOR-RESISTOR	1	
QR604,05	UNR521400L	TRANSISTOR-RESISTOR	2	
QR700	UNR521300L	TRANSISTOR-RESISTOR	1	
QR701-06	UNR521400L	TRANSISTOR-RESISTOR	6	
QR707-12	UNR511400L	TRANSISTOR-RESISTOR	6	
QR713-18	UNR521300L	TRANSISTOR-RESISTOR	6	
QR719-21	UNR521400L	TRANSISTOR-RESISTOR	3	
QR950,51	UNR521300L	TRANSISTOR-RESISTOR	2	
QR952	UNR511300L	TRANSISTOR-RESISTOR	1	
QR953	UN5215	TRANSISTOR-RESISTOR	1	
QR954	UNR511500L	TRANSISTOR-RESISTOR	1	
R1,R2	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	FOR VEP85200A
R3	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	FOR VEP85200A
R5,R6	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	FOR VEP85200A
R8	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	FOR VEP85200A
R9	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	FOR VEP85200A
R10	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	FOR VEP85200A

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R12	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP85200A
R13	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	FOR VEP85200A
R16,17	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	FOR VEP85200A
R19	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP85200A
R21	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	FOR VEP85200A
R23	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	FOR VEP85200A
R24	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP85200A
R26	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP85200A
R28	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP85200A
R29	ERJ3GEYJ820	M.RESISTOR CH 1/16W 82	1	FOR VEP85200A
R30-32	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	FOR VEP85200A
R34-37	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	FOR VEP85200A
R39	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP85200A
R40	ERJ6GEYJ000	M.RESISTOR 1/10W 0	1	
R100	D1H810140001	COMBI.R-R	1	
R101	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	FOR VEP85200A
R101	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R102	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	FOR VEP85200A
R102	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R103	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	FOR VEP85200A
R103	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R104	D1H810140001	COMBI.R-R	1	
R104	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	FOR VEP85200A
R105	D1H810140001	COMBI.R-R	1	
R105	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	FOR VEP85200A
R106	D1H810140001	COMBI.R-R	1	
R106	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	FOR VEP85200A
R107	D1H810140001	COMBI.R-R	1	
R107	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	FOR VEP85200A
R108	D1H84734A008	COMBI.R-R	1	
R108	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	FOR VEP85200A
R109	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R109	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	FOR VEP85200A
R110	ERJ3GEYJ271	M.RESISTOR CH 1/16W 270	1	
R110	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	FOR VEP85200A
R111,12	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	FOR VEP85200A
R113	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R113	ERJ6GEYJ5R6	M.RESISTOR CH 1/10W 5.6	1	FOR VEP85200A
R114	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R114	ERJ6GEYJ5R6	M.RESISTOR CH 1/10W 5.6	1	FOR VEP85200A
R115	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R115	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	FOR VEP85200A
R116	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	FOR VEP85200A
R117	ERJ3GEYJ120	M.RESISTOR CH 1/16W 12	1	
R117	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	FOR VEP85200A
R118	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	FOR VEP85200A
R118	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R119	D1H810140001	COMBI.R-R	1	
R120	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R121	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R121	ERJ6GEYG270	M.RESISTOR CH 1/10W 27	1	FOR VEP85200A
R122	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R122	ERJ6GEYG270	M.RESISTOR CH 1/10W 27	1	FOR VEP85200A
R123,24	D1H84734A008	COMBI.R-R	2	
R125	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R125	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	FOR VEP85200A
R126	D1H84734A008	COMBI.R-R	1	
R126	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	FOR VEP85200A
R127	D1H810140001	COMBI.R-R	1	
R127	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	FOR VEP85200A
R128	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	FOR VEP85200A
R128	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R129	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R130,31	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	2	
R132	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R133	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R134	D1H84734A008	COMBI.R-R	1	
R135	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R136	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R137	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R138	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R139	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R140	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R142	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R143	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R200	ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	1	
R201	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R202	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R203	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1	
R204	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R204	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	FOR VEP85200A
R205	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R205	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	FOR VEP85200A
R206	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R207	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R208	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R209	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R210	ERJ6RBD333	M.RESISTOR CH 1/10W 33K	1	
R211	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R212	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R213	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R214	ERJ6RBD153	M.RESISTOR CH 1/10W 15K	1	
R215	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R216	ERJ3GEYJ564	M.RESISTOR CH 1/16W 560K	1	
R217	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	FOR VEP85200A
R217	ERJ3GEYJ334	M.RESISTOR CH 1/16W 330K	1	
R218	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R219	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R219	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	FOR VEP85200A
R220	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R220	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	FOR VEP85200A
R221	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R221	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	FOR VEP85200A
R222	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP85200A
R222	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R223	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP85200A
R223	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R224	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP85200A
R224	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R225	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	FOR VEP85200A
R225	ERJ8GEYJ681	M.RESISTOR CH 1/8W 680	1	
R226	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R226	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	FOR VEP85200A
R227	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R228	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP85200A
R228	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R229	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	FOR VEP85200A
R229	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R230	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R230	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	FOR VEP85200A
R231	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R232	ERJ8GEYJ1R0	M.RESISTOR CH 1/8W 1	1	
R233	ERJ8GEYJ1R2	M.RESISTOR CH 1/8W 1.2	1	
R234	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	FOR VEP85200A
R234,35	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R235	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	FOR VEP85200A
R236	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R236	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	FOR VEP85200A
R237	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R238	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R239	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R240	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	FOR VEP85200A
R240	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R241	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R241	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	FOR VEP85200A
R242	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	FOR VEP85200A
R242	ERJ3GEYJ184	M.RESISTOR CH 1/16W 180K	1	
R243	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R243	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	FOR VEP85200A
R244	ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	1	
R244	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	FOR VEP85200A
R245	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R245	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	FOR VEP85200A
R246	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R247	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	FOR VEP85200A
R247	ERJ6RBD333	M.RESISTOR CH 1/10W 33K	1	
R248	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R248	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	FOR VEP85200A
R249	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R249	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	FOR VEP85200A

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R250	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R250	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	FOR VEP85200A
R251	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	FOR VEP85200A
R251	ERJ6RBD153	M.RESISTOR CH 1/10W 15K	1	
R252,53	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R254	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	FOR VEP85200A
R254	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1	
R255	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R257	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	FOR VEP85200A
R257	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R258	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R259	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	FOR VEP85200A
R259	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R260	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	FOR VEP85200A
R260	ERJ8GEYJ681	M.RESISTOR CH 1/8W 680	1	
R261	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R262	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R263	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R264	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R264	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	FOR VEP85200A
R265	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R266	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	FOR VEP85200A
R266	ERJ8GEYJ1R0	M.RESISTOR CH 1/8W 1	1	
R267	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	FOR VEP85200A
R267	ERJ8GEYJ1R2	M.RESISTOR CH 1/8W 1.2	1	
R268	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R268	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	FOR VEP85200A
R269	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	FOR VEP85200A
R269	ERJ3GEYJ184	M.RESISTOR CH 1/16W 180K	1	
R270	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R270	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	FOR VEP85200A
R271	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R271	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	FOR VEP85200A
R272,73	ERJ3GEYJ271	M.RESISTOR CH 1/16W 270	2	
R274	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	FOR VEP85200A
R274	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R275	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R275	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	FOR VEP85200A
R276	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R277	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	FOR VEP85200A
R279	ERJ3RBD471	M.RESISTOR CH 1/16W 470	1	FOR VEP85200A
R280	ERJ12YJ270	M.RESISTOR CH 1/2W 27	1	FOR VEP85200A
R284	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	FOR VEP85200A
R286,87	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	FOR VEP85200A
R300	ERJ6RBD333	M.RESISTOR CH 1/10W 33K	1	
R301	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R301	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	FOR VEP85200A
R302	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	FOR VEP85200A
R302	ERJ6RBD333	M.RESISTOR CH 1/10W 33K	1	
R303	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R304	ERJ6RBD223	M.RESISTOR CH 1/16W 22K	1	
R305,06	ERJ6RBD153	M.RESISTOR CH 1/16W 15K	2	
R307	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	FOR VEP85200A
R307	ERJ6RBD223	M.RESISTOR CH 1/16W 22K	1	
R308	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R308	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	FOR VEP85200A
R309	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R309	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	FOR VEP85200A
R310	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R310	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	FOR VEP85200A
R311,12	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	FOR VEP85200A
R313	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP85200A
R313	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R314	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	FOR VEP85200A
R314	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R315	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP85200A
R315	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R316	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	FOR VEP85200A
R316	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R317	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP85200A
R317	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R318	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R318	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	FOR VEP85200A
R319	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP85200A
R319	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R320	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	FOR VEP85200A
R320	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R321	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	FOR VEP85200A
R322	ERJ8GEYJ1R0	M.RESISTOR CH 1/8W 1	1	
R323	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP85200A
R323,24	ERJ8GEYJ1R0	M.RESISTOR CH 1/8W 1	2	
R325	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP85200A
R325	ERJ8GEYJ1R0	M.RESISTOR CH 1/8W 1	1	
R326	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	FOR VEP85200A
R326,27	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R328	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	FOR VEP85200A
R328-30	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	3	
R330	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	FOR VEP85200A
R331	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R332	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R332	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	FOR VEP85200A
R333	ERJ3GEYJ271	M.RESISTOR CH 1/16W 270	1	
R334	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R335	ERJ3GEYJ271	M.RESISTOR CH 1/16W 270	1	
R337	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	FOR VEP85200A
R339	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	FOR VEP85200A
R342	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	FOR VEP85200A
R345	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	FOR VEP85200A
R346	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	FOR VEP85200A
R347	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	FOR VEP85200A
R348	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	FOR VEP85200A
R400-03	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	4	
R404,05	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R406,07	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R408-11	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	4	
R412-16	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	5	
R417	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R418	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R419-22	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	4	
R424-27	ERJ3GEYJ184	M.RESISTOR CH 1/16W 180K	4	
R428	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R429-32	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	4	
R433	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R434	ERJ6RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R435	ERJ6RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R436	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R437	ERJ3RBD821	M.RESISTOR CH 1/16W 820	1	
R438	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R439	ERJ3GEYJ391	M.RESISTOR CH 1/16W 390	1	
R501	D1H84734A008	COMBI.R-R	1	
R502	D1H810140001	COMBI.R-R	1	
R600	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R601	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R602	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R603	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1	
R604	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R605	ERJ6GEYG271	M.RESISTOR CH 1/10W 270	1	
R606	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R608	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R611	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R613	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R614,15	ERJ8GEYJ101	M.RESISTOR CH 1/8W 100	2	
R617	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R619	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R621	ERJ8GEYJ300	M.RESISTOR CH 1/8W 30	1	
R622-25	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	4	
R626,27	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R628,29	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R630	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R631	ERJ8GEYJ471	M.RESISTOR CH 1/8W 470	1	
R632	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R633	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R634	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R635	EXBV8V102J	COMBI.R-R 2K	1	D1H810240001
R636	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R700	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R701	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1	
R702-04	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	3	
R705-07	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	3	
R708-10	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	3	

Components identified with the mark ⚠ have the special characteristics for safety.
When replacing any of these components, use only the same type.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R711-13	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	
R800	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R801,02	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	2	
R803-05	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R806,07	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	2	
R808,09	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R810	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R811	ERJ8GEYJ681	M.RESISTOR CH 1/8W 680	1	
R812,13	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R814	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R815	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R816	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R817	ERJ6GEYG154	M.RESISTOR CH 1/10W 150K	1	
R818	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R819	ERJ3GEYJ474	M.RESISTOR CH 1/16W 470K	1	
R820	ERJ6RBD183	M.RESISTOR CH 1/10W 18K	1	
R821	ERJ8GEYJ681	M.RESISTOR CH 1/8W 680	1	
R822	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R823	ERJ3GEYJ474	M.RESISTOR CH 1/16W 470K	1	
⚠ R824-27	K5H1623A0001	FUSE	4	
R900,01	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	2	
R902	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R903	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R904-06	ERJ6GEYG681	M.RESISTOR CH 1/10W 680	3	
R950	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R951,52	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R953	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R954	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R955	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R956-58	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R959	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R960,61	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R962	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R963	ERJ3GEYJ334	M.RESISTOR CH 1/16W 330K	1	
R964,65	ERJ3RBD471	M.RESISTOR CH 1/16W 470	2	
R966	ERJ3GEYJ271	M.RESISTOR CH 1/16W 270	1	
R967	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R968	ERJ3GEYJ560	M.RESISTOR CH 1/16W 56	1	
R969,70	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R971	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
TG1	EYF6CU	TEST POINT	1	FOR VEP85200A
TP1	EYF6CU	TEST POINT	1	
TP101,02	EYF6CU	TEST POINT	2	FOR VEP85200A
TP201,02	EYF6CU	TEST POINT	2	FOR VEP85200A
TP300,01	EYF6CU	TEST POINT	2	
TP302	EYF6CU	TEST POINT	1	
TP400	EYF6CU	TEST POINT	1	
TP500-03	EYF6CU	TEST POINT	4	
TP600,01	EYF6CU	TEST POINT	2	
TP950	EYF6CU	TEST POINT	1	
VR300,01	EVM7JGA00B24	V.RESISTOR 20K	2	
VR400	EVM7JGA00B24	V.RESISTOR 20K	1	
VR401	EVM7JGA00B54	V.RESISTOR 50K	1	
VR600,01	VRV0303B203A	V.RESISTOR 20K	2	D3EC3203A002
X100	VSX0918	CRYSTAL OSCILLATOR	1	H0J250500005
		MISCELLANEOUS		
	VMS7076	SPACER	2	
	XYN26+K6	SCREW	2	
	VSC5304	RF SHIELD PLATE	1	FOR VEP85200A
■ E3	VEP83579A	VTR SUB P.C.BOARD	1	(RTL)
C1,C2	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C101	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C102	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C103	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C104	F1J0J475A006	C.CAPACITOR CH6.3V 1U	1	
C105	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C106	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C107-10	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C111-13	F1J0J475A006	C.CAPACITOR CH6.3V 1U	3	
C114,15	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C116-19	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C120-25	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	6	
C126,27	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C128-31	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C132-34	ECUX1A105KBV	C.CAPACITOR CH 10V 1U	3	
C135	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C136	ECUX1A105KBV	C.CAPACITOR CH 10V 1U	1	
C137	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C138	ECUX1A105KBV	C.CAPACITOR CH 10V 1U	1	
C139,40	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	2	
C141	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C206-08	F1J0J475A006	C.CAPACITOR CH6.3V 1U	3	
C209,10	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C211,12	F1J0J475A006	C.CAPACITOR CH6.3V 1U	2	
C213	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C214-17	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C218	F1J0J475A006	C.CAPACITOR CH6.3V 1U	1	
C219	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C220	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C221	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C222	F1J0J475A006	C.CAPACITOR CH6.3V 1U	1	
C223,24	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C225	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C227	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C230	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C231	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C412-14	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C415	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C416	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C501-03	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C504	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C505	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C506,07	ECST1CX106Z	T.CAPACITOR CH 16V 10U	2	
C508,09	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C510	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C511	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C512	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C513-16	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C517	ECUX1H561JCV	C.CAPACITOR CH 50V 560P	1	
C518	ECUX1H821JCV	C.CAPACITOR CH 50V 820P	1	
C519	ECUX1H120JCV	C.CAPACITOR CH 50V 12P	1	
C520	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C521,22	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C524	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C525,26	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	2	
C602	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C604	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C605	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C612	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
D501,02	MA3X15700L	DIODE	2	
IC1	C0JBAB000175	IC	1	
IC101,02	XC62FP3002P	IC	2	
IC103	C1ZBZ0001435	IC	1	
IC104	BH7086KV	IC	1	C1ZBZ0001649
IC105	C0JBAZ001605	IC	1	
IC203	MN2MD00006F	IC	1	
IC204	TC4W53FU	IC	1	C0JBAR000113
IC402	C0ZBZ0000363	IC	1	
IC403	C0CBADD00003	IC	1	
IC501	TA75W558FU	IC	1	C0ABBA000042
IC502	C0BBBB000006	IC	1	
IC503	C0ABBB000032	IC	1	
IC504	C0CBADD00003	IC	1	
IC506	XC62FP3002P	IC	1	
IC507	C0JBAZ001605	IC	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC508	C0JBAA000002	IC	1	
IC603	C0CBABC00060	IC	1	
IC604	C0JBAZ000851	IC	1	
L101-05	J0JBC0000019	FILTER	5	
L106,07	VLQ0319K101	COIL 100UH	2	G1C101K00022
L108	VLQ0426J100	COIL 10UH	1	G1C100J00008
L201-06	J0JBC0000019	FILTER	6	
L402	J0JCC0000119	FILTER	1	
L501	VLQ0319K101	COIL 100UH	1	G1C101K00022
L601,02	J0JBC0000019	FILTER	2	
P1	VJS3978C120A	CONNECTOR (FEMALE)	1	
P501	VJP3125B009	CONNECTOR (MALE)	1	K1KA09B00055
Q101,02	2SD1819ALL	TRANSISTOR	2	
R1	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R2	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R102	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R105	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R106	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R108,09	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	2	
R110	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R112	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R113	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R115	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R116	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R117	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R118	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R119	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R120	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R121,22	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R123,24	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R128	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R135	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R137	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R138,39	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R140	ERJ3RBD682	M.RESISTOR CH 1/16W 10K	1	
R141	ERJ3RBD121	M.RESISTOR CH 1/16W 120	1	
R142	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R144	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R147	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R149-52	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R156-59	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R202	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R203,04	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
R205	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R206	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R207,08	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	2	
R209,10	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	2	
R213	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R216	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R218	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R220,21	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R222	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R224	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R225	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R229	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R231-33	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R235	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R305	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R327,28	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R408-10	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R411	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R501	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R503	ERJ3RED824	M.RESISTOR CH 1/16W 820K	1	
R504	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R505	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R506	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R507	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R508	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R509	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R510	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R511,12	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	2	
R513	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R514	ERJ3RED334	M.RESISTOR CH 1/16W 330K	1	
R515	ERJ3RBD471	M.RESISTOR CH 1/16W 470	1	
R516	ERJ3RBD683	M.RESISTOR CH 1/16W 68K	1	
R517	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R518	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R520	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	1	
R521	ERJ3RBD471	M.RESISTOR CH 1/16W 470	1	
R522	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R523	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R524	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R525	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R527	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R528	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R529	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R530	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R531	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R532	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R533,34	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R535	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R536	ERJ6RED470	M.RESISTOR CH 1/10W 47	1	
R538-42	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	5	
R608	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R617	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R627	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
TG101,02	EYF6CU	TEST POINT	2	
■ E4	VEP80C03A	VTR S/S P.C.BOARD	1	(RTL)
P11	VJP1230T	CONNECTOR (MALE) 3P	1	
SW11	EVQQS205K	SWITCH	1	
■ E5	WE600PKF1C	DRIVE P.C.BOARD	1	(RTL)
C0001	F3H1A2260003	T.CAPACITOR CH 10V 22U	1	
C0002	F3F1A1060001	T.CAPACITOR CH 10V 10U	1	
C0003-08	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	6	F1H1E104A016
C0010,11	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	2	F1H1E104A016
C0012	SK31V225MRB	T.CAPACITOR CH 35V 2.2U	1	F3G1V2250001
C0013	F3F1A1060001	T.CAPACITOR CH 10V 10U	1	
C0014	F3G1C1060002	T.CAPACITOR CH 16V 10U	1	
C0015	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	1	F1H1E104A016
C0017	SK41C336MC	T.CAPACITOR CH 16V 33U	1	
C0018,19	F3H1A1070003	T.CAPACITOR CH 10V 100U	2	
C0020-23	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	4	F1H1E104A016
C0026	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	1	F1H1E104A016
C0027	F1H1H180A231	C.CAPACITOR CH 50V 18P	1	
C0029	F3H1E1060005	T.CAPACITOR CH 25V 10U	1	
C0030	SK41C336MC	T.CAPACITOR CH 16V 33U	1	
C0031	YGM1B103K1HT	C.CAPACITOR 12.5V 0.01U	1	F1H1H103A190
C0032	F1H1H102A190	C.CAPACITOR CH 50V 1000P	1	
C0033-35	YGM2F104Z1HT	C.CAPACITOR CH 50V 0.1U	3	F1J1H104A428
C0042	F3H1V6850002	T.CAPACITOR CH 35V 6.8U	1	
C0043	F3F1A1060001	T.CAPACITOR CH 10V 10U	1	
C0044	F3H1V6850002	T.CAPACITOR CH 35V 6.8U	1	
C0046	SK41C336MC	T.CAPACITOR CH 16V 33U	1	
C0047	F3F1A1060001	T.CAPACITOR CH 10V 10U	1	
C0048	SK41C336MC	T.CAPACITOR CH 16V 33U	1	
C0051,52	YGM1F105Z1AT	C.CAPACITOR 31.5V 1U	2	
C0053	F3H1A1070003	T.CAPACITOR CH 10V 100U	1	
C0054,55	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	2	F1H1E104A016

Components identified with the mark ⚠ have the special characteristics for safety.
When replacing any of these components, use only the same type.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
D0005	MA159	DIODE	1	MA4X15900L
J0001	K1MM21B00003	CONNECTOR	1	
J0002	K1MZ30B00002	CONNECTOR	1	
Q0004	2SC4176	TRANSISTOR	1	B1ABDB000014
Q0005	B1ADBB000010	TRANSISTOR	1	
Q0009	2SB1218AHL	TRANSISTOR	1	
Q0010,11	2SD1819A-R	TRANSISTOR	2	2SD1819AHL
Q0012	2SB1218AHL	TRANSISTOR	1	
Q0013	2SB09700HL	TRANSISTOR	1	
Q0014	2SD1819A-R	TRANSISTOR	1	2SD1819AHL
Q0015	2SD13280HL	TRANSISTOR	1	
Q0016	2SB1218AHL	TRANSISTOR	1	
R0002	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R0003,04	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R0005	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R0008	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R0010	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R0011	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R0012-15	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R0016-21	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	6	
R0028	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R0029	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R0031	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R0033	ERJ3GEYJ560	M.RESISTOR CH 1/16W 56	1	
R0034	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R0035	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R0036	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R0041-43	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	3	
R0047,48	ERJ3GEYJ150	M.RESISTOR CH 1/16W 15	2	
R0049	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R0050	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R0051	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R0052	ERJ3RBD133	M.RESISTOR CH 1/16W 13K	1	
R0053	ERJ3RBD622	M.RESISTOR CH 1/16W 6.2K	1	
R0054	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R0055	ERJ3RBD303	M.RESISTOR CH 1/16W 30K	1	
R0056	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R0057	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R0060,61	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R0062	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	1	
R0063	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R0064	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R0065	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R0068,69	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R0070	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R0074	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
U0001	C0JBAB000175	IC	1	
U0002	TC7SZ08F	IC	1	
U0003	CXD2454AR	IC	1	
U0004,05	TC7SH32FU	IC	2	
U0006	C1AB00000340	IC	1	
⚠ U0007	MC74ACT04DT	IC	1	
U0009	C0CBADC00012	IC	1	
U0010	C0ABBA000025	IC	1	
U0011,12	C0JBAF000239	IC	2	
U0013	C0JBAA000157	IC	1	
U0014-16	C0JBAB000005	IC	3	
U0017	C0CBADC00012	IC	1	
⚠ U0018	MC74ACT04DT	IC	1	
U0019	YULSQ0025	IC	1	
U0020	C0CBABG00006	IC	1	
X0001	DX28R636A	CRYSTAL OSCILLATOR	1	
		MISCELLANEOUS		
	VEE0N69	MAIN DRIVE SHIELD ASS'Y	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
■ E6	VEP81220C	POWER P.C.BOARD	1	(RTL)
C1	F1J0J475A006	C.CAPACITOR CH6.3V 1U	1	
C2,C3	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2	
C4	ECUX1H472KBV	C.CAPACITOR CH 50V 4700P	1	
C5	ECUX1H121JCV	C.CAPACITOR CH 50V 120P	1	
C6	ECUX1A474KBV	C.CAPACITOR CH 10V 0.1U	1	
C7	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	1	
C8	F1J0J475A006	C.CAPACITOR CH6.3V 1U	1	
C9	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	1	
C10	ECUX1H472KBV	C.CAPACITOR CH 50V 4700P	1	
C11,12	ECUX1H102JV	C.CAPACITOR CH 50V 1000P	2	
C13	F1J0J475A006	C.CAPACITOR CH6.3V 1U	1	
C14	ECUX1C473KBV	C.CAPACITOR CH 16V 0.047U	1	
C15	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	1	
C16	ECUX1H102JV	C.CAPACITOR CH 50V 1000P	1	
C17	ECUX1H123KBV	C.CAPACITOR CH 50V 0.012U	1	
C18	VCEA1DAP680	E.CAPACITOR 20V 68U	1	
C21	ECUX1H272KBV	C.CAPACITOR CH 50V 2700P	1	
C23	VCEA1AAP101	E.CAPACITOR 10V 100U	1	
C25	VCEA1AAP101	E.CAPACITOR 10V 100U	1	
C26	ECUX1H681JCV	C.CAPACITOR CH 50V 680P	1	
C27	VCEA1DAP680	E.CAPACITOR 20V 68U	1	
C28	EEVHB1E4R7	E.CAPACITOR 25V 4.7U	1	
C29	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C30	ECUX1H562KBV	C.CAPACITOR CH 50V 5600P	1	
C32	VCEA1CAP101	E.CAPACITOR 16V 100U	1	
C33	VCEA1AAP101	E.CAPACITOR 10V 100U	1	
C34	ECUX1H681JCV	C.CAPACITOR CH 50V 680P	1	
C35	VCEA1DAP680	E.CAPACITOR 20V 68U	1	
C39	VCEA1AAP221	E.CAPACITOR 10V 220U	1	F2D1A2210001
C41	VCEA1AAP221	E.CAPACITOR 10V 220U	1	F2D1A2210001
C42	EEVHB1E6R8R	E.CAPACITOR 25V 6.8U	1	
C100	F1J0J475A006	C.CAPACITOR CH6.3V 1U	1	
C101,02	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2	
C103	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C105	ECUX1A474KBV	C.CAPACITOR CH 10V 0.1U	1	
C106	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	1	
C107	F1J0J475A006	C.CAPACITOR CH6.3V 1U	1	
C108	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	1	
C109	ECUX1H682KBV	C.CAPACITOR CH 50V 6800P	1	
C110,11	ECUX1H102JV	C.CAPACITOR CH 50V 1000P	2	
C112	F1J0J475A006	C.CAPACITOR CH6.3V 1U	1	
C113	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C114	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	1	
C115	ECUX1H102JV	C.CAPACITOR CH 50V 1000P	1	
C116	ECUX1H681JCV	C.CAPACITOR CH 50V 680P	1	
C117	VCEA1DAP680	E.CAPACITOR 20V 68U	1	
C121,22	VCEA1AAP101	E.CAPACITOR 10V 100U	2	
C123	ECUX1H681JCV	C.CAPACITOR CH 50V 680P	1	
C124	VCEA1DAP680	E.CAPACITOR 20V 68U	1	
C125	EEVHB1E4R7	E.CAPACITOR 25V 4.7U	1	
C126	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C127	ECUX1H562KBV	C.CAPACITOR CH 50V 5600P	1	
C129	ECUX1H681JCV	C.CAPACITOR CH 50V 680P	1	
C130	VCEA1CAP101	E.CAPACITOR 16V 100U	1	
C132	VCEA1CAP101	E.CAPACITOR 16V 100U	1	
C133	VCEA1DAP680	E.CAPACITOR 20V 68U	1	
C134,35	ECUX1H333KBN	C.CAPACITOR CH 50V 0.033U	2	
C136	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	1	
C138	EEUFC1E181	E.CAPACITOR 25V 180U	1	
C139	ECUX1E105KBM	C.CAPACITOR CH 25V 1U	1	
C140	EEUFC1E181	E.CAPACITOR 25V 180U	1	
C141	F1J1C105A091	C.CAPACITOR CH 16V 1U	1	
C142	EEUFC1E181	E.CAPACITOR 25V 180U	1	
C143	ECUX1E105KBM	C.CAPACITOR CH 25V 1U	1	
C144	EEUFC1E181	E.CAPACITOR 25V 180U	1	
C145	F1J1C105A091	C.CAPACITOR CH 16V 1U	1	
C146	EEVHB1E6R8R	E.CAPACITOR 25V 6.8U	1	
C200,01	F1J0J475A006	C.CAPACITOR CH6.3V 1U	2	
C202	ECUX1A105KBV	C.CAPACITOR CH 10V 1U	1	
C203	F1J0J475A006	C.CAPACITOR CH6.3V 1U	1	
C205	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C206	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	1	
C207	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C208	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	1	
C209	ECUX1E273KBV	C.CAPACITOR CH 25V 0.027U	1	
C210	ECUX1H102JV	C.CAPACITOR CH 50V 1000P	1	
C211	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C212	VCEA1DAP680	E.CAPACITOR 20V 68U	1	
C216	VCEA1AAP101	E.CAPACITOR 10V 100U	1	
C218	ECA1EFQ820	E.CAPACITOR 25V 82U	1	
C219,20	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2	
C221	EEUFC1J680	E.CAPACITOR 63V 68U	1	
C222	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C223	EEUFC1J680	E.CAPACITOR 63V 68U	1	
C224	EEVHB1E6R8R	E.CAPACITOR 25V 6.8U	1	
C226	VCEA1AAP101	E.CAPACITOR 10V 100U	1	
C250,51	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2	
C300	ECUX1E105KBM	C.CAPACITOR CH 25V 1U	1	
C302	EEVHB1E6R8R	E.CAPACITOR 25V 6.8U	1	
C303,04	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2	
C305,06	ECUM1E224KBN	C.CAPACITOR CH 25V 0.22U	2	
C307	F1L1C1060020	C.CAPACITOR CH 16V 10U	1	
C309	EEVHB1E6R8R	E.CAPACITOR 25V 6.8U	1	
C310	VCEA1DAP101	E.CAPACITOR 20V 100U	1	
D1-D4	MA142WK-G	DIODE	4	
D5	MA143-G	DIODE	1	
D8-12	NSQ03A04	DIODE	5	B0JCPE000013
D100-03	MA142WK-G	DIODE	4	
D104	MA143-G	DIODE	1	
D107	NSQ03A04	DIODE	1	B0JCPE000013
D109	NSQ03A04	DIODE	1	B0JCPE000013
D110,11	SFPB-76V	DIODE	2	
D112	MA2Q73900L	DIODE	1	
D113-17	MAZ80680KL	DIODE	5	
D200-02	MA142WK-G	DIODE	3	
D205	NSQ03A04	DIODE	1	B0JCPE000013
D206	B0JCML000002	DIODE	1	
D207	MA142WK-G	DIODE	1	
D301-03	MA3X721D0L	DIODE	3	
D304-06	MAZ80680KL	DIODE	3	
D307	S3V60	DIODE	1	B0EAKR000020
D309	MA142WA-G	DIODE	1	
D310	MA142WK-G	DIODE	1	
IC1	BA9706K	IC	1	C0DBAZZ00012
IC100	BA9706K	IC	1	C0DBAZZ00012
IC200	BA9743AFV	IC	1	
IC300	C0DBZGH00001	IC	1	
IC301	C0BBBA000041	IC	1	
JP1	VMP6346	EARTH LUG	1	
L1-L3	J0JBC0000019	FILTER	3	
L4	J0JKC0000009	FILTER	1	
L5	G1C4R7M00009	COIL 4.7UH	1	
L6	J0JKC0000009	FILTER	1	
L7	VLQ0859M101	COIL 100UH	1	
L8	G1C6R8M00001	COIL 6.8UH	1	
L9	J0JKC0000009	FILTER	1	
L10	G1C4R7M00009	COIL 4.7UH	1	
L11	J0JKC0000009	FILTER	1	
L12	VLQ0859M101	COIL 100UH	1	
L13	G1C6R8M00001	COIL 6.8UH	1	
L14	J0JKC0000009	FILTER	1	
L15	G1C4R7M00009	COIL 4.7UH	1	
L16	VLQ0859M221	COIL 220U	1	
L17	J0JKC0000009	FILTER	1	
L18	G1C6R8M00001	COIL 6.8UH	1	
L100-02	J0JBC0000019	FILTER	3	
L103	J0JKC0000009	FILTER	1	
L104	G1C4R7M00009	COIL 4.7UH	1	
L105	J0JKC0000009	FILTER	1	
L106	VLQ0859M101	COIL 100UH	1	
L107	G1C6R8M00001	COIL 6.8UH	1	
L108	J0JKC0000009	FILTER	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
L109	G1C4R7M00009	COIL 4.7UH	1	
L110	J0JKC0000009	FILTER	1	
L111	VLQ0859M221	COIL 220U	1	
L112	G1C6R8M00001	COIL 6.8UH	1	
L113	J0JKC0000009	FILTER	1	
L114	G1C4R7M00009	COIL 4.7UH	1	
L115,16	G1A100G00006	COIL 10UH	2	
L200,01	J0JBC0000019	FILTER	2	
L202	J0JKC0000009	FILTER	1	
L203	G1C4R7M00009	COIL 4.7UH	1	
L204	J0JKC0000009	FILTER	1	
L205	VLQ0859M101	COIL 100UH	1	
L206	G1C6R8M00001	COIL 6.8UH	1	
L207	J0JKC0000009	FILTER	1	
L209	VLQ0319K680	COIL 68UH	1	G1C680KA0002
L210	G1A102B00003	COIL 1000UH	1	
L300	VLQ0319K100	COIL 10UH	1	G1C100K00023
L302,03	J0JKC0000009	FILTER	2	
P1	VEE0Q31	FRONT MIC EARTH CABLE	1	
P2	VEE0M65	POWER CABLE 2	1	
P3	K1KA07B00006	CONNECTOR (MALE)	1	
P4	VJP2824B003	CONNECTOR (MALE)	1	K1KA03B00005
Q1	2SD1820ALL	TRANSISTOR	1	
Q2	2SB1219ALL	TRANSISTOR	1	
Q3	B1DHEG000002	TRANSISTOR	1	
Q5	2SD1820ALL	TRANSISTOR	1	
Q6	2SB1219ALL	TRANSISTOR	1	
Q7	XN0440100L	TRANSISTOR	1	
Q8	2SD1820ALL	TRANSISTOR	1	
Q9	B1DHEG000002	TRANSISTOR	1	
Q10,11	2SD1820ALL	TRANSISTOR	2	
Q12	2SB1219ALL	TRANSISTOR	1	
Q13	B1DHEG000002	TRANSISTOR	1	
Q100	2SD1820ALL	TRANSISTOR	1	
Q101	2SB1219ALL	TRANSISTOR	1	
Q102	B1DHEG000002	TRANSISTOR	1	
Q105	2SD1820ALL	TRANSISTOR	1	
Q106	2SB1219ALL	TRANSISTOR	1	
Q107	XN0440100L	TRANSISTOR	1	
Q108	2SD1820ALL	TRANSISTOR	1	
Q109	B1DHEG000002	TRANSISTOR	1	
Q110	2SD1820ALL	TRANSISTOR	1	
Q111	2SB1219ALL	TRANSISTOR	1	
Q112	2SK1748-Z	TRANSISTOR	1	
Q200	2SD1820ALL	TRANSISTOR	1	
Q201	2SB1219ALL	TRANSISTOR	1	
Q202	B1DHEG000002	TRANSISTOR	1	
Q204	2SB1219ALL	TRANSISTOR	1	
Q205	2SD2403	TRANSISTOR	1	
Q300	2SB1219ALL	TRANSISTOR	1	
Q301	B1DDHF000001	TRANSISTOR	1	
Q303	B1DHEG000002	TRANSISTOR	1	
QR1,R2	UNR511200L	TRANSISTOR	2	
QR3	UNR521100L	TRANSISTOR	1	
QR100,01	UNR511200L	TRANSISTOR	2	
QR102	UNR521100L	TRANSISTOR	1	
QR202,03	UNR511200L	TRANSISTOR	2	
QR300	UNR521100L	TRANSISTOR	1	
QR301	UN5215	TRANSISTOR	1	
QR303	UNR521100L	TRANSISTOR	1	
QR404	UNR511200L	TRANSISTOR	1	
R1	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R2	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R3,R4	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R6	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R7-12	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	6	
R13	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R14,15	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R16	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R17	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1	
R18	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	

Components identified with the mark⚠have the special characteristics for safety.
When replacing any of these components, use only the same type.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R19	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R20	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R21	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R22	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1	
R23	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R24	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R25	ERJ3RBD162	M.RESISTOR CH 1/16W 1.6K	1	
R26	ERJ3RBD181	M.RESISTOR CH 1/16W 180	1	
R27	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R28	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R29	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R30	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R31	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R35	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R37	ERJ3GEYJ180	M.RESISTOR CH 1/16W 18	1	
R38	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R39	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R40	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R41	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R42	ERJ14RSJR10	M.RESISTOR CH 1/4W 0.1	1	
R43	ERJ3GEYJ431	M.RESISTOR CH 1/16W 430	1	
R44	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R45	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R46	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R47	ERJ3GEYJ180	M.RESISTOR CH 1/16W 18	1	
R49	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R50	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R51	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R52	ERJ3RBD433	M.RESISTOR CH 1/16W 43K	1	
R53	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R54	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R55	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R56	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R60	ERJ3RBD471	M.RESISTOR CH 1/16W 470	1	
R61	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R62	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R63	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R64	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R100	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R101	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R103	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1	
R104,05	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R106-11	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	6	
R112	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R113	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R114	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R115	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R116	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1	
R117	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R118	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R119	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R120	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R121	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1	
R122	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R123	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R124	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R125	ERJ3RBD823	M.RESISTOR CH 1/16W 82K	1	
R126	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R127	ERJ3RBD301	M.RESISTOR CH 1/16W 300	1	
R128	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R129	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R130	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R134	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R137	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R138	ERJ3RBD112	M.RESISTOR CH 1/16W 1.1K	1	
R139	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R140	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R141	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R142	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R143	ERJ14RSJR10	M.RESISTOR CH 1/4W 0.1	1	
R144	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R145	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R146	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R147	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R148	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R150	ERJ3RBD563	M.RESISTOR CH 1/16W 56K	1	
R151	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R152	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R153	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R154	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R155	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R156	ERJ8GEYJ472	M.RESISTOR CH 1/8W 4.7K	1	
R157	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R159,60	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R162	ERJ3GEYJ750	M.RESISTOR CH 1/16W 75	1	
R164,65	ERJ3GEYJ680	M.RESISTOR CH 1/16W 68	2	
R166	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R202	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R203	ERJ3RBD183	M.RESISTOR CH 1/16W 18K	1	
R204	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R205	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R206	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	1	
R207-10	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	4	
R211	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R212	ERJ3RBD302	M.RESISTOR CH 1/16W 3K	1	
R213	ERJ3RBD241	M.RESISTOR CH 1/16W 240	1	
R214	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R216	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R217	ERJ3RED224	M.RESISTOR CH 1/16W 220K	1	
R218	ERJ3RBD331	M.RESISTOR CH 1/16W 330	1	
R219	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R220	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R221	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R222	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R226	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R228	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R229	ERJ14YJ1R0	M.RESISTOR CH 1/4W 1	1	
R230	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R231	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R232	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R233	ERJ3GEYJ271	M.RESISTOR CH 1/16W 270	1	
R234	ERJ8GEYJ101	M.RESISTOR CH 1/8W 100	1	
R235	ERJ3GEYJ433	M.RESISTOR CH 1/16W 43K	1	
R237	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R300	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R301	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R302	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R303	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R304	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R307	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R310	ERJ3RBD753	M.RESISTOR CH 1/16W 75K	1	
R311	ERJ3RBD273	M.RESISTOR CH 1/16W 27K	1	
R312,13	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R314	ERJ3GEYJ201	M.RESISTOR CH 1/16W 200	1	
R315	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R316	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R317,18	ERJ3GEYJ564	M.RESISTOR CH 1/16W 560K	2	
R319	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R320,21	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	2	
R322	ERJ3RBD203	M.RESISTOR CH 1/16W 20K	1	
R323	ERJ3RBD303	M.RESISTOR CH 1/16W 30K	1	
R324	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R325	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
SW300	VSS0342	SWITCH	1	K0D112B00056
T100	VTP0514	TRANSFORMER	1	G4D1A0000033
TG1	EYF6CU	TEST POINT	1	
⚠ TH300	VRT0152160	THERMISTOR	1	
TP3	EYF6CU	TEST POINT	1	
TP300	EYF6CU	TEST POINT	1	
VR2	EVM7JGA00B24	V.RESISTOR 20K	1	
		MISCELLANEOUS		
	VMP6829	C.B.A. HOLDER ANGLE	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
	XYN26+K6	SCREW	2	
■ E7	WE600PKY1B	PRE AMP 2 P.C.BOARD	1	(RTL)
C0701	F3F1A1060001	T.CAPACITOR CH 10V 10U	1	
C0702	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	1	F1H1E104A016
Q0701	2SA15320CL	TRANSISTOR	1	
Q0702	2SC39310YL	TRANSISTOR	1	
R0701	EVM7JGA00B14	V.RESISTOR 10K	1	
R0702	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R0703	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R0704	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R0705	EVM7JGA00B14	V.RESISTOR 10K	1	
R0706	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R0707	EVM7JGA00B14	V.RESISTOR 10K	1	
R0708	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
		MISCELLANEOUS		
	L3071A04A1	SPECIAL CABLE	1	
	L3071A05A3	SPECIAL CABLE	1	
	L3071A06A2	SPECIAL CABLE	1	
	L3071A07A7	SPECIAL CABLE	1	
■ E8	VEP80C06D	REAR JACK P.C.BOARD	1	(RTL)
C1-C6	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	6	
J1,J2	VJS3417	CONNECTOR (FEMALE)	2	K1AB103A0007
P1	VEE0N11	REAR JACK CABLE	1	
R2,R3	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R5	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R8,R9	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R11	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
■ E9	VEP80C07B	AV OUT P.C.BOARD	1	(RTL)
C102,03	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	2	F1H1H102A009
J100	VJS3155	CONNECTOR (FEMALE)	1	K1CB104A0012
J101	VJJ0323	RCA PIN JACK	1	K2HA202A0029
J400,01	VJS1440	CONNECTOR (FEMALE)	2	
L100,01	J0JBC0000041	FILTER	2	
L102,03	J0JBC0000023	FILTER	2	
P100	VEE0N13	CAM OUT CABLE	1	
P101	VEE0N12	AV OUT CABLE	1	
R100,01	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
R102	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R104	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R400-03	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
		MISCELLANEOUS		

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
	VMP6781	C.B.A. HOLDER ANGLE	1	
	XTV3+6GFZ	SCREW	2	
	VMG1392	CN WATERPROOF CUSHION	1	
	VSC5244	JACK ELECTROSTATIC ANGLE	1	
■ E10	VEP86149A	OPERATE P.C.BOARD	1	(RTL)
D6001-03	B3AAB0000044	LED	3	
P501	VJP3125B010	CONNECTOR (MALE)	1	K1KA10B00136
SW6001-05	EVQPHL03T	SWITCH	5	
		MISCELLANEOUS		
	VEE9417	P.C.B. INT CABLE	1	
■ E11	VEP84376A	CUE P.C.BOARD	1	(RTL)
C1001,02	EEVHB1H3R3	E.CAPACITOR 50V 3.3U	2	
C1003-06	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	4	
C1007,08	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C1101-03	F1L1C1060020	C.CAPACITOR CH 16V 10U	3	
C1106	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C1107	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	
C1108	ECUX1H223KBN	C.CAPACITOR CH 50V 0.22U	1	
C1109	ECHS1H102JZ	P.CAPACITOR 50V 1000P	1	
C1110	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C1111	VCF2JAB332J	P.CAPACITOR 630V 3300P	1	
C1112	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C1113	ECUX1H273KBN	C.CAPACITOR CH 50V 0.027U	1	
C1114	ECUX1H822KBV	C.CAPACITOR CH 50V 8200P	1	
C1115,16	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C1117	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C1118	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	1	
C1119	VCC0030	CAPACITOR	1	
C1120	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	
C1121	ECUM1E473KBN	C.CAPACITOR CH 25V 0.047U	1	
C1122	ECUX1H390JCV	C.CAPACITOR CH 50V 39P	1	
C1123	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C1124	ECUX1H151JCV	C.CAPACITOR CH 50V 150P	1	
C1125	F1L1C1060020	C.CAPACITOR CH 16V 10U	1	
D1001-04	MA142K-G	DIODE	4	
D1101	MA142K-G	DIODE	1	
FL1101	EIR7QF012B	TRANSFORMER	1	
IC1001,02	C0JBAZ000516	IC	2	
IC1003,04	C0JBAM000045	IC	2	
IC1101	C0ABBB000110	IC	1	
IC1102	C0JBAB000350	IC	1	
L1101-03	VLQ0319K100	COIL 10UH	3	G1C100K00023
L1104	VLQ0423J472	COIL 4700UH	1	
P1001	K1KA06B00106	CONNECTOR (MALE)	1	
P1002	K1KA08B00147	CONNECTOR (MALE)	1	
P1003	K1KA06B00106	CONNECTOR (MALE)	1	
P1004	VJS3791D015	CONNECTOR (FEMALE)	1	
P1005	VJP3125B009	CONNECTOR (MALE)	1	K1KA09B00055
Q1101	2SB07790RL	TRANSISTOR	1	
Q1102	2SD1819A-R	TRANSISTOR	1	2SD1819ARL
Q1103	2SD08740RL	TRANSISTOR	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
Q1104	2SD197900L	TRANSISTOR	1	
Q1105	2SB12200RL	TRANSISTOR	1	
Q1106,07	2SD18210LL	TRANSISTOR	2	
Q1108,09	2SD197900L	TRANSISTOR	2	
QR1001	UNR511300L	TRANSISTOR	1	
QR1002,03	UNR521F00L	TRANSISTOR	2	
QR1004,05	UNR511300L	TRANSISTOR	2	
QR1006,07	UNR521F00L	TRANSISTOR	2	
QR1008	UNR511300L	TRANSISTOR	1	
QR1101-05	UNR511300L	TRANSISTOR	5	
QR1106	UNR521300L	TRANSISTOR	1	
QR1107	UNR511300L	TRANSISTOR	1	
R1003,04	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	
R1005-08	ERJ3GEYJ224	M.RESISTOR CH 1/16W 220K	4	
R1013	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R1014,15	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R1101	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R1102	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R1103	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	
R1104	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R1105	ERJ8GEYJ1R0	M.RESISTOR CH 1/8W 1	1	
R1106	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R1107	ERJ3GEYJ390	M.RESISTOR CH 1/16W 39	1	
R1108	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1110	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R1111	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R1112	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R1113	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R1115	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R1116	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R1117,18	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R1119	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R1120	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R1121	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R1122	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R1123,24	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R1125	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	
R1126	ERJ3RED100	M.RESISTOR CH 1/16W 10	1	
R1127	ERJ8GEYJ1R0	M.RESISTOR CH 1/8W 1	1	
R1128	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R1129	ERJ3GEYJ124	M.RESISTOR CH 1/16W 120K	1	
R1130	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1131	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R1132	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R1133,34	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R1136	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
RY1001,02	K6B2CDB00010	RELAY	2	
T1101	G4ZZ00000358	TRANSFORMER	1	
TP1001-04	EYF6CU	TEST POINT	4	
VR1101	D3EC5503A001	V.RESISTOR 50K	1	
VR1102	VRV0161B103	V.RESISTOR 10K	1	
		MISCELLANEOUS		
	EYF6CU	TEST POINT	5	
■ E12	WE600PKB1B	SENSOR (R) P.C.BOARD	1	(RTL)
C0001,02	F3H1E4750002	T.CAPACITOR CH 25V 4.7U	2	
C0003	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
C0004	ECSF1CE156	T.CAPACITOR CH 16V 15U	1	
C0006	F3H0J4760002	T.CAPACITOR CH6.3V 47U	1	
C0007	F3H1E4750002	T.CAPACITOR CH 25V 4.7U	1	
C0008	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	1	F1H1E104A016

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
J0001	K1MZ18B00003	CONNECTOR	1	
L0001	G1C150J00002	COIL 15UH	1	
Q0001	2SC39310YL	TRANSISTOR	1	
R0001	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R0003	ERJ3GEYJ184	M.RESISTOR CH 1/16W 180K	1	
R0004	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R0005	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R0006	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R0007	ERJ3GEYJ302	M.RESISTOR CH 1/16W 3K	1	
R0008	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R0009	ERJ3GEYJ391	M.RESISTOR CH 1/16W 390	1	
■ E13	WE600PKC1B	SENSOR (G) P.C.BOARD	1	(RTL)
C0001,02	F3H1E4750002	T.CAPACITOR CH 25V 4.7U	2	
C0003	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
C0004	F3H0J1560001	T.CAPACITOR CH6.3V 15U	1	
C0006	F3H0J4760002	T.CAPACITOR CH6.3V 47U	1	
C0007	F3H1E4750002	T.CAPACITOR CH 25V 4.7U	1	
C0008	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	1	F1H1E104A016
E0001,02	L2471A06A5	SPECIAL CABLE	2	
J0001	K1MZ30B00002	CONNECTOR	1	
J0002	K1MZ10B00003	CONNECTOR	1	
J0003,04	K1MZ18B00003	CONNECTOR	2	
L0001	G1C150J00002	COIL 15UH	1	
Q0001	2SC39310YL	TRANSISTOR	1	
R0001	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R0003	ERJ3GEYJ184	M.RESISTOR CH 1/16W 180K	1	
R0004	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R0005	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R0006	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R0007	ERJ3GEYJ302	M.RESISTOR CH 1/16W 3K	1	
R0008	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R0009	ERJ3GEYJ391	M.RESISTOR CH 1/16W 390	1	
■ E14	WE600PKD1B	SENSOR (B) P.C.BOARD	1	(RTL)
C0001,02	F3H1E4750002	T.CAPACITOR CH 25V 4.7U	2	
C0003	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
C0004	F3H0J1560001	T.CAPACITOR CH6.3V 15U	1	
C0006	F3H0J4760002	T.CAPACITOR CH6.3V 47U	1	
C0007	F3H1E4750002	T.CAPACITOR CH 25V 4.7U	1	
C0008	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	1	F1H1E104A016
J0001	K1MZ18B00003	CONNECTOR	1	
L0001	G1C150J00002	COIL 15UH	1	
Q0001	2SC39310YL	TRANSISTOR	1	
R0001	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R0003	ERJ3GEYJ184	M.RESISTOR CH 1/16W 180K	1	
R0004	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R0005	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R0006	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R0007	ERJ3GEYJ302	M.RESISTOR CH 1/16W 3K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R0008	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R0009	ERJ3GEYJ391	M.RESISTOR CH 1/16W 390	1	
W0001	BP120J1	LEAD	1	
■ E15	WE600PKE1B	PRE AMP P.C.BOARD	1	(RTL)
■	VEP83564A	PRE AMP 3 P.C.BOARD	1	(RTL)
				FOR WE600PKE1B
C0001	F3H1C6860001	T.CAPACITOR CH 16V 68U	1	
C0002	F3F1A1060001	T.CAPACITOR CH 10V 10U	1	
C0003	SK21C225MRA	T.CAPACITOR CH 16V 2.2U	1	F3F1C225A006
C0005-07	F3H1C6860001	T.CAPACITOR CH 16V 68U	3	
C0008	F3G1A3360001	T.CAPACITOR CH 10V 33U	1	
C0009	F3F1A1060001	T.CAPACITOR CH 10V 10U	1	
C0010	SK21C225MRA	T.CAPACITOR CH 16V 2.2U	1	F3F1C225A006
C0012	F3G1A3360001	T.CAPACITOR CH 10V 33U	1	
C0101	F3F1A1060001	T.CAPACITOR CH 10V 10U	1	
C0102	F1H1H151A231	C.CAPACITOR CH 50V 150P	1	
C0103	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	1	F1H1E104A016
C0104	F3G1C2260001	T.CAPACITOR CH 16V 22U	1	
C0105	F1H1H180A231	C.CAPACITOR CH 50V 18P	1	
C0106	F1H1H150A004	C.CAPACITOR CH 50V 15P	1	
C0107	F1H1H180A231	C.CAPACITOR CH 50V 18P	1	
C0108	F3F1C1060002	T.CAPACITOR CH 16V 10U	1	
C0109	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	1	F1H1E104A016
C0110	YGM1C390J1HT	C.CAPACITOR 16V 39P	1	F1H1H390A231
C0111	F3F1A1060001	T.CAPACITOR CH 10V 10U	1	
C0112	F1H1H151A231	C.CAPACITOR CH 50V 150P	1	
C0113	SK31C476MRD0	T.CAPACITOR CH 16V 47U	1	F3H1C4760003
C0114	YGM1C100D1HT	C.CAPACITOR 16V 10P	1	F1H1H100A226
C0115	F1H1H200A004	C.CAPACITOR CH 50V 20P	1	
C0116	F3F1A1060001	T.CAPACITOR CH 10V 10U	1	
C0118,19	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	2	F1H1E104A016
C0120	F3F1A1060001	T.CAPACITOR CH 10V 10U	1	
C0121	F3F0J3360001	T.CAPACITOR CH6.3V 33U	1	
C0122	F3F1A1060001	T.CAPACITOR CH 10V 10U	1	
C0302	F1H1H151A231	C.CAPACITOR CH 50V 150P	1	
C0303	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	1	F1H1E104A016
C0304	F3G1C2260001	T.CAPACITOR CH 16V 22U	1	
C0305	F1H1H180A231	C.CAPACITOR CH 50V 18P	1	
C0306	F1H1H150A004	C.CAPACITOR CH 50V 15P	1	
C0307	F1H1H180A231	C.CAPACITOR CH 50V 18P	1	
C0308	F3F1C1060002	T.CAPACITOR CH 16V 10U	1	
C0309	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	1	F1H1E104A016
C0310	YGM1C390J1HT	C.CAPACITOR 16V 39P	1	F1H1H390A231
C0311	F3F1A1060001	T.CAPACITOR CH 10V 10U	1	
C0312	F1H1H151A231	C.CAPACITOR CH 50V 150P	1	
C0313	SK31C476MRD0	T.CAPACITOR CH 16V 47U	1	F3H1C4760003
C0314	YGM1C100D1HT	C.CAPACITOR 16V 10P	1	F1H1H100A226
C0315	F1H1H200A004	C.CAPACITOR CH 50V 20P	1	
C0316	F3F1A1060001	T.CAPACITOR CH 10V 10U	1	
C0318,19	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	2	F1H1E104A016
C0320	F3F1A1060001	T.CAPACITOR CH 10V 10U	1	
C0321	F3F0J3360001	T.CAPACITOR CH6.3V 33U	1	
C0502	F1H1H151A231	C.CAPACITOR CH 50V 150P	1	
C0503	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	1	F1H1E104A016
C0504	F3G1C2260001	T.CAPACITOR CH 16V 22U	1	
C0505	F1H1H180A231	C.CAPACITOR CH 50V 18P	1	
C0506	F1H1H150A004	C.CAPACITOR CH 50V 15P	1	
C0507	F1H1H180A231	C.CAPACITOR CH 50V 18P	1	
C0508	F3F1C1060002	T.CAPACITOR CH 16V 10U	1	
C0509	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	1	F1H1E104A016
C0510	YGM1C390J1HT	C.CAPACITOR 16V 39P	1	F1H1H390A231
C0511	F3F1A1060001	T.CAPACITOR CH 10V 10U	1	
C0512	F1H1H151A231	C.CAPACITOR CH 50V 150P	1	
C0513	SK31C476MRD0	T.CAPACITOR CH 16V 47U	1	F3H1C4760003
C0514	YGM1C100D1HT	C.CAPACITOR 16V 10P	1	F1H1H100A226
C0515	F1H1H200A004	C.CAPACITOR CH 50V 20P	1	
C0516	F3F1A1060001	T.CAPACITOR CH 10V 10U	1	
C0518,19	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	2	F1H1E104A016

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C0520	F3F1A1060001	T.CAPACITOR CH 10V 10U	1	
C0521	F3F0J3360001	T.CAPACITOR CH6.3V 33U	1	
C0522	F3F1A1060001	T.CAPACITOR CH 10V 10U	1	
CF0101	J0E5004B0001	LCR FILTER	1	
CF0102	J0E9604B0002	LCR FILTER	1	
CF0301	J0E5004B0001	LCR FILTER	1	
CF0302	J0E9604B0002	LCR FILTER	1	
CF0501	J0E5004B0001	LCR FILTER	1	
CF0502	J0E9604B0002	LCR FILTER	1	
D0100	MA165	DIODE	1	MA2C165001VT
D0300	MA165	DIODE	1	MA2C165001VT
D0500	MA165	DIODE	1	MA2C165001VT
IC1	C0DBEZC00009	IC	1	FOR VEP83564A
J0001	K1MM16B00003	CONNECTOR	1	
J0002	K1MZ06B00001	CONNECTOR	1	
J0003	K1MZ10B00003	CONNECTOR	1	
L0101	G1C2R7J00003	COIL	1	
L0301	G1C2R7J00003	COIL	1	
L0501	G1C2R7J00003	COIL	1	
Q0001	2SB0766AHL	TRANSISTOR	1	
Q0002	2SD0874AHL	TRANSISTOR	1	
Q0101	2SA15320CL	TRANSISTOR	1	
Q0102	2SC39310YL	TRANSISTOR	1	
Q0103	2SA15320CL	TRANSISTOR	1	
Q0104	3SK157	FET	1	
Q0105	2SC39310YL	TRANSISTOR	1	
Q0106	2SA15320CL	TRANSISTOR	1	
Q0107	3SK157	FET	1	
Q0108	2SC39310YL	TRANSISTOR	1	
Q0109	2SA15320CL	TRANSISTOR	1	
Q0110	3SK157	FET	1	
Q0111,12	2SC39310YL	TRANSISTOR	2	
Q0113	2SD1819A-R	TRANSISTOR	1	2SD1819AHL
Q0114	2SC39310YL	TRANSISTOR	1	
Q0115	2SD1819A-R	TRANSISTOR	1	2SD1819AHL
Q0116-18	2SA15320CL	TRANSISTOR	3	
Q0119	2SC39310YL	TRANSISTOR	1	
Q0120-23	2SA15320CL	TRANSISTOR	4	
Q0124	2SD1819A-R	TRANSISTOR	1	2SD1819AHL
Q0125	2SC39310YL	TRANSISTOR	1	
Q0126	2SD1819A-R	TRANSISTOR	1	2SD1819AHL
Q0127	2SC39310YL	TRANSISTOR	1	
Q0128	2SA15320CL	TRANSISTOR	1	
Q0302	2SC39310YL	TRANSISTOR	1	
Q0303	2SA15320CL	TRANSISTOR	1	
Q0304	3SK157	FET	1	
Q0305	2SC39310YL	TRANSISTOR	1	
Q0306	2SA15320CL	TRANSISTOR	1	
Q0307	3SK157	FET	1	
Q0308	2SC39310YL	TRANSISTOR	1	
Q0309	2SA15320CL	TRANSISTOR	1	
Q0310	3SK157	FET	1	
Q0311,12	2SC39310YL	TRANSISTOR	2	
Q0313	2SD1819A-R	TRANSISTOR	1	2SD1819AHL
Q0314	2SC39310YL	TRANSISTOR	1	
Q0315	2SD1819A-R	TRANSISTOR	1	2SD1819AHL
Q0316-18	2SA15320CL	TRANSISTOR	3	
Q0319	2SC39310YL	TRANSISTOR	1	
Q0320-23	2SA15320CL	TRANSISTOR	4	
Q0324	2SD1819A-R	TRANSISTOR	1	2SD1819AHL
Q0325	2SC39310YL	TRANSISTOR	1	
Q0326	2SD1819A-R	TRANSISTOR	1	2SD1819AHL
Q0502	2SC39310YL	TRANSISTOR	1	
Q0503	2SA15320CL	TRANSISTOR	1	
Q0504	3SK157	FET	1	
Q0505	2SC39310YL	TRANSISTOR	1	
Q0506	2SA15320CL	TRANSISTOR	1	
Q0507	3SK157	FET	1	
Q0508	2SC39310YL	TRANSISTOR	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
Q0509	2SA15320CL	TRANSISTOR	1	
Q0510	3SK157	FET	1	
Q0511,12	2SC39310YL	TRANSISTOR	2	
Q0513	2SD1819A-R	TRANSISTOR	1	2SD1819AHL
Q0514	2SC39310YL	TRANSISTOR	1	
Q0515	2SD1819A-R	TRANSISTOR	1	2SD1819AHL
Q0516-18	2SA15320CL	TRANSISTOR	3	
Q0519	2SC39310YL	TRANSISTOR	1	
Q0520-23	2SA15320CL	TRANSISTOR	4	
Q0524	2SD1819A-R	TRANSISTOR	1	2SD1819AHL
Q0525	2SC39310YL	TRANSISTOR	1	
Q0526	2SD1819A-R	TRANSISTOR	1	2SD1819AHL
Q0527	2SC39310YL	TRANSISTOR	1	
Q0528	2SA15320CL	TRANSISTOR	1	
R1	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	FOR VEP83564A
R2	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	FOR VEP83564A
R3	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	FOR VEP83564A
R0003	ERJ3RBD163	M.RESISTOR CH 1/16W 16K	1	
R4	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP83564A
R0004	ERJ3RBD473	M.RESISTOR CH 1/16W 47K	1	
R0005	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R0007	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R0009	ERJ3RBD273	M.RESISTOR CH 1/16W 27K	1	
R0010	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R0012	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	1	
R0013	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R0101,02	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	2	
R0103	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R0104	ERJ3GEYJ752	M.RESISTOR CH 1/16W 7.5K	1	
R0105	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R0106	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R0107	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R0108	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R0109	ERJ3GEYJ752	M.RESISTOR CH 1/16W 7.5K	1	
R0110	ERJ3GEYJ241	M.RESISTOR CH 1/16W 240	1	
R0111	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R0112	ERJ3GEYJ242	M.RESISTOR CH 1/16W 2.4K	1	
R0113	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R0114	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R0115	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R0116	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R0117	ERJ3GEYJ303	M.RESISTOR CH 1/16W 30K	1	
R0118	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R0119,20	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	2	
R0121	ERJ3GEYJ752	M.RESISTOR CH 1/16W 7.5K	1	
R0122	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R0123	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R0124	ERJ3GEYJ752	M.RESISTOR CH 1/16W 7.5K	1	
R0125	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R0126	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1	
R0127	EVM7JSW30B12	V.RESISTOR 100	1	
R0128	ERJ3GEYJ155	M.RESISTOR CH 1/16W 1.5M	1	
R0129	ERJ3GEYJ302	M.RESISTOR CH 1/16W 3K	1	
R0130	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R0131	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R0132	ERJ3GEYJ752	M.RESISTOR CH 1/16W 7.5K	1	
R0133	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R0134	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R0135	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	
R0136	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R0137	ERJ3GEYJ751	M.RESISTOR CH 1/16W 750	1	
R0138	ERJ3GEYJ752	M.RESISTOR CH 1/16W 7.5K	1	
R0139	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R0140	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R0141,42	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	2	
R0143	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R0144,45	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	2	
R0146	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R0147	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R0148	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R0149	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R0150	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R0151,52	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R0153	ERJ3GEYJ391	M.RESISTOR CH 1/16W 390	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R0154	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R0155	EVM7JSW30B23	V.RESISTOR 2K	1	
R0156	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R0157	ERJ3GEYJ391	M.RESISTOR CH 1/16W 390	1	
R0158	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R0159	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R0163	EVM7JSW30B23	V.RESISTOR 2K	1	
R0165	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R0167	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	1	
R0170	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R0171	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R0304	ERJ3GEYJ752	M.RESISTOR CH 1/16W 7.5K	1	
R0305	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R0306	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R0307	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R0308	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R0309	ERJ3GEYJ752	M.RESISTOR CH 1/16W 7.5K	1	
R0310	ERJ3GEYJ241	M.RESISTOR CH 1/16W 240	1	
R0311	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R0312	ERJ3GEYJ242	M.RESISTOR CH 1/16W 2.4K	1	
R0313	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R0314	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R0315	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R0316	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R0317	ERJ3GEYJ303	M.RESISTOR CH 1/16W 30K	1	
R0318	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R0319,20	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	2	
R0321	ERJ3GEYJ752	M.RESISTOR CH 1/16W 7.5K	1	
R0322	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R0323	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R0324	ERJ3GEYJ752	M.RESISTOR CH 1/16W 7.5K	1	
R0325	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R0326	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1	
R0327	EVM7JSW30B12	V.RESISTOR 100	1	
R0328	ERJ3GEYJ155	M.RESISTOR CH 1/16W 1.5M	1	
R0329	ERJ3GEYJ302	M.RESISTOR CH 1/16W 3K	1	
R0330	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R0331	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R0332	ERJ3GEYJ752	M.RESISTOR CH 1/16W 7.5K	1	
R0333	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R0334	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R0335	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	
R0336	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R0337	ERJ3GEYJ751	M.RESISTOR CH 1/16W 750	1	
R0338	ERJ3GEYJ752	M.RESISTOR CH 1/16W 7.5K	1	
R0339	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R0340	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R0341,42	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	2	
R0343	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R0344,45	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	2	
R0346	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R0347	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R0348	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R0349	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R0350	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R0351,52	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R0353	ERJ3GEYJ391	M.RESISTOR CH 1/16W 390	1	
R0354	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R0355	EVM7JSW30B23	V.RESISTOR 2K	1	
R0356	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R0357	ERJ3GEYJ391	M.RESISTOR CH 1/16W 390	1	
R0358	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R0359	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R0363	EVM7JSW30B23	V.RESISTOR 2K	1	
R0370	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R0371	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R0504	ERJ3GEYJ752	M.RESISTOR CH 1/16W 7.5K	1	
R0505	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R0506	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R0507	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R0508	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R0509	ERJ3GEYJ752	M.RESISTOR CH 1/16W 7.5K	1	
R0510	ERJ3GEYJ241	M.RESISTOR CH 1/16W 240	1	
R0511	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R0512	ERJ3GEYJ242	M.RESISTOR CH 1/16W 2.4K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R0513	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R0514	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R0515	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R0516	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R0517	ERJ3GEYJ303	M.RESISTOR CH 1/16W 30K	1	
R0518	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R0519,20	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	2	
R0521	ERJ3GEYJ752	M.RESISTOR CH 1/16W 7.5K	1	
R0522	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R0523	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R0524	ERJ3GEYJ752	M.RESISTOR CH 1/16W 7.5K	1	
R0525	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R0526	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1	
R0527	EVM7JSW30B12	V.RESISTOR 100	1	
R0528	ERJ3GEYJ155	M.RESISTOR CH 1/16W 1.5M	1	
R0529	ERJ3GEYJ302	M.RESISTOR CH 1/16W 3K	1	
R0530	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R0531	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R0532	ERJ3GEYJ752	M.RESISTOR CH 1/16W 7.5K	1	
R0533	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R0534	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R0535	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	
R0536	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R0537	ERJ3GEYJ751	M.RESISTOR CH 1/16W 750	1	
R0538	ERJ3GEYJ752	M.RESISTOR CH 1/16W 7.5K	1	
R0539	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R0540	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R0541,42	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	2	
R0543	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R0544,45	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	2	
R0546	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R0547	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R0548	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R0549	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R0550	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R0551,52	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R0553	ERJ3GEYJ391	M.RESISTOR CH 1/16W 390	1	
R0554	ERJ3GEYJ511	M.RESISTOR CH 1/16W 510	1	
R0555	EVM7JSW30B23	V.RESISTOR 2K	1	
R0556	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R0557	ERJ3GEYJ391	M.RESISTOR CH 1/16W 390	1	
R0558	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R0559	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R0563	EVM7JSW30B23	V.RESISTOR 2K	1	
R0565	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R0567	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	1	
R0570	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R0580,81	ERDS2TJ102	C.RESISTOR 1/4W 1K	2	
U0001	C0ABBA000025	IC	1	
U0101	TC4W53FU	IC	1	C0JBAR000113
U0301	TC4W53FU	IC	1	C0JBAR000113
U0501	TC4W53FU	IC	1	C0JBAR000113
■ E16	VEP80B98A	R SIDE P.C.BOARD	1	(RTL)
B1	BCR20H4	BUTTON BATTERY HOLDER	1	
C1	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C2	F1J0J475A006	C.CAPACITOR CH6.3V 1U	1	
C3-C5	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	3	
C6	ECEA0JSN470	E.CAPACITOR 6.3V 47U	1	
C7	ECEA1CSN4R7	E.CAPACTOR 16V 4.7U	1	
D1-D5	MA142WK-G	DIODE	5	
D6	MA142WA-G	DIODE	1	
D7-18	MA142WK-G	DIODE	12	
IC1	UPD16431AGC	IC	1	C0HBA0000023

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
P2	VEE0N21	R SIDE CABLE	1	
P3	K1MN18B00013	CONNECTOR	1	
P4	VEE0N23	MENU JOG CABLE	1	
P5	VJP1243T	CONNECTOR (MALE) 3P	1	
P6	VWJ12D5060AA	FLAT CABLE	1	
P7	VEE0N22	POWER SW CABLE	1	
QR1,R2	UNR511300L	TRANSISTOR	2	
R1	ERJ6GEYG331	M.RESISTOR CH 1/10W 330	1	
R4,R5	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	2	
R6	ERJ6GEYG331	M.RESISTOR CH 1/10W 330	1	
R7	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R8,R9	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	2	
R11-14	ERJ8GEY0R00	M.RESISTOR CH 1/8W 0	4	
R15	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R16	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R17	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R18	ERJ8GEY0R00	M.RESISTOR CH 1/8W 0	1	
R19-22	ERJ8GEYJ101	M.RESISTOR CH 1/8W 100	4	
R23	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R25-28	ERJ14YJ100	M.RESISTOR CH 1/4W 10	4	
R33-36	ERJ8GEYJ102	M.RESISTOR CH 1/8W 1K	4	
R37	ERJ8GEY0R00	M.RESISTOR CH 1/8W 0	1	
R38-42	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	5	
SW1	K0D122A00120	SWITCH	1	
SW2	K0D123A00060	SWITCH	1	
SW3	K0D122A00120	SWITCH	1	
SW4,W5	K0D123A00060	SWITCH	2	
SW6	K0D122A00120	SWITCH	1	
SW7	K0D123A00060	SWITCH	1	
SW8	K0D122A00120	SWITCH	1	
SW9	EVQQSB04B	SWITCH	1	
VR1,R2	VRV0080	V.RESISTOR	2	D2BCA14A0001
		MISCELLANEOUS		
	VWB0123	CLAMPER	1	
■ E17	VEP80B99A	SCENE FILE P.C.BOARD	1	(RTL)
C8	F1J0J475A006	C.CAPACITOR CH6.3V 1U	1	
D21-24	MA142WK-G	DIODE	4	
P9	VWJ07D5030AA	FLAT CABLE	1	
R30	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R31	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R32	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R43	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R44	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R45	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R46	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R47	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R48	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
SW11	EVQQS205K	SWITCH	1	
SW12	K0G119A00024	SWITCH	1	
VR3	D2BBC14Y0003	V.RESISTOR 10K	1	
		MISCELLANEOUS		
	VGQ6174	PUSH BUTTON HOLDER ANGLE	1	
	VMG1381	MONITOR VR RUBBER	1	

Components identified with the mark⚠have the special characteristics for safety.
When replacing any of these components, use only the same type.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
■ E18	VEP80C00A	SUTO IRIS P.C.BOARD	1	(RTL)
D19	LN48YCPP	LED	1	
SW13	EVQQS205K	SWITCH	1	
SW14	K0D123A00060	SWITCH	1	
SW15	EVQQS205K	SWITCH	1	
		MISCELLANEOUS		
	VGQ6174	PUSH BUTTON HOLDER ANGLE	2	
	VMX2126	LED SPACER	1	
■ E19	VEP80C01B	LED P.C.BOARD	1	(RTL)
D20	B3CKE0000005	LED	1	
P11	VWJ03D5065AA	FLAT CABLE	1	
		MISCELLANEOUS		
	VMX3083	LED SPACER	1	
■ E20	VEP80B94A	TOGGLE SW P.C.BOARD	1	(RTL)
P1	VJP1236T	CONNECTOR (MALE) 9P	1	K1KA09A00023
SW1-W3	K0E113A00005	SWITCH	3	
SW4	K0E112A00043	SWITCH	1	
■ E21	VEP80C02A	FRONT TOGGLE SW P.C.BOARD	1	(RTL)
L1-L5	J0JBC0000014	RILTER	5	
L6	J0JKC0000009	FILTER	1	
L7-L9	J0JBC0000014	RILTER	3	
P1	VJP1598T	CONNECTOR (MALE) 5P	1	K1KA05A00104
P2	VJP1230T	CONNECTOR (MALE) 3P	1	
P4	VJP3125B010	CONNECTOR (MALE)	1	K1KA10B00136
P5	K1MN20A00036	CONNECTOR (FEMALE)	1	
R2	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R4	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R5	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
SW1	VST0194	SWITCH	1	K0E132A00002
SW2	VST0195	SWITCH	1	K0E132A00003
		MISCELLANEOUS		
	VMP6783	P.C.BOARD HOLDER ANGLE	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
■ E22	VEP80C20A	REMOTE MAINTENANCE P.C.B.	1	(RTL)
C70-76	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	7	
IC70	THC4052FT	IC	1	
IC71	MAX3223CAP	IC	1	C0ZBZ0000220
P70	K1MN20A00036	CONNECTOR	1	
P71	VJP3969A009	CONNECTOR (MALE)	1	K1FA109A0005
R70	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R71,72	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R73	D1H84734A008	COMBI.R-R	1	
R76,77	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
SW70	VSS0557TB	SWITCH	1	K0N110A00021
■ E23	VEP80B96A	MENU JOG P.C.BOARD	1	(RTL)
J1	VJR1094	TERMINAL	1	
P1	K1KA07B00061	CONNECTOR (MALE)	1	
SW1	EVQQSB04B	SWITCH	1	
SW2	EVQWK4001	JOG ENCODER SW	1	
■ E24	VEP80B97A	POWER SW P.C.BOARD	1	(RTL)
SW16	VST0299	TOGGLE SWITCH	1	K0E112G00001
■ E25	VEP80C08A	BREAKER P.C.BOARD	1	(RTL)
L200	J0JJC0000006	FILTER	1	
L201,02	J0JHC0000016	COIL	2	
P200	VJP2824A002	CONNECTOR (MALE)	1	K1KA02A00009
P201	VJP2824A004	CONNECTOR (MALE)	1	K1KA04A00005
⚠ SW200	VSQ0834	CIRCUIT PROTECTOR	1	K5JDHB000002
		MISCELLANEOUS		
	VEE0N06	BREAKER CABLE	1	
■ E26	VEP00X87D	DC INPUT P.C.BOARD	1	(RTL)
D1	S3V40	DIODE	1	
		MISCELLANEOUS		
	VJP2717	CONNECTOR (MALE)	1	K1AA104H0021
	VEE0N07	DC INPUT CABLE	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
■ E27	VEP000U0A	HEAD PHONE P.C.BOARD	1	(RTL)
C700,01	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	2	F1H1H102A009
J700	VJJ0522	JACK	1	K2HC103B0082
L700,01	J0JBC0000023	FILTER	2	
■ E28	VEP80C12A	FRONT MIC P.C.BOARD	1	(RTL)
J600	VJS3417	CONNECTOR (FEMALE)	1	K1AB103A0007
P600	VEE0N19	FRONT MIC CABLE	1	
R600-03	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
■ E29	VEP80A74A	BACK TALLY P.C.BOARD	1	(RTL)
D1	TLRA116	DIODE	1	
SW1	VST0131	SWITCH	1	K0E122A00016
		MISCELLANEOUS		
	VEE9418	CABLE	1	
	VMX2126	LED SPACER	1	
■ E30	VEP000W0A	FILTER P.C.BOARD	1	(RTL)
L1,L2	J0JBC0000019	FILTER	2	
L3,L4	J0JHC0000016	COIL	2	
		MISCELLANEOUS		
	VEE0Q39	ANTON A CABLE ASS'Y	1	
	VEE0Q40	ANTON B CABLE ASS'Y	1	
	VEE0Q41	BATT A CABLE ASS'Y	1	
	VEE0Q42	BATT B CABLE ASS'Y	1	

Panasonic®

Printed in Japan
SCD0111NHFK40

ORDER NO. BSD0109M019
D20

Service Manual

Sec. 1 *Service Information*
Sec. 2 *Disassembly Procedures*
Sec. 3 *Mechanical Adjustment Procedures*
Sec. 4 *Electrical Adjustment Procedures*
Sec. 5 *Block Diagrams*
Sec. 6 *Schematic Diagrams*
Sec. 7 *Circuit Board Diagrams*
Sec. 8 *Exploded Views & Parts List*

DVCPRO

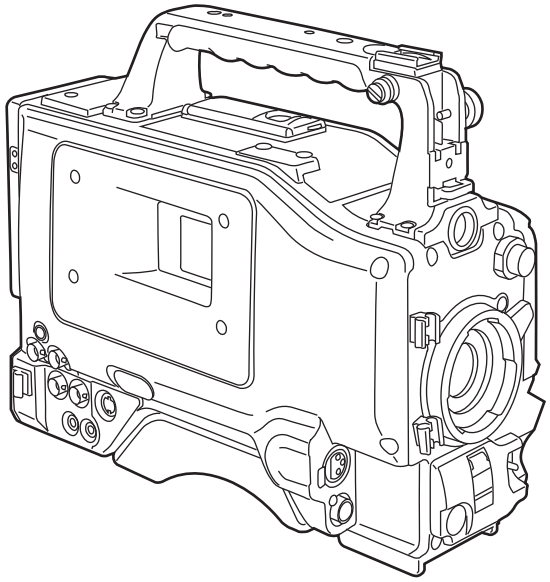
Digital Video Camera Recorder

AJ-D410AP

Refer to

BSD0103M901
DVCPRO MECHANISM
Version 2
for Mechanical Adjustment.

∗Only table of difference between DVCPRO MECHANISM Version 2 and AJ-D410AP for Mechanical Adjustment.



Panasonic®

© 2001 Matsushita Electric Industrial Co., Ltd. All rights reserved.
Unauthorized copying and distribution is a violation of law.□

Specifications

[GENERAL]

Power requirements: DC 12V (11.0 V to 17.0 V)
Power consumption: 20 W

▭ indicates safety information.

Operating temperature:	32 °F to 104 °F (0°C to +40°C)
Storage temperature:	–4 °F to 140 °F (–20°C to +60°C)
Operating humidity:	Less than 85% (relative humidity)
Continuous operating time:	Approx. 120 min. (continuous recording time using the TRIMPAC14 made by Anton Bauer)
Dimensions (W × H × D):	4-7/8″ × 7-1/2″ × 11-1/2″ (123 × 190 × 292 mm) (excluding grip)
Weight:	Approx. 7.1 lbs (3.2 kg) (main unit only)

[CAMERA UNIT]

Pickup device:	1/2-inch IT type CCD (410,000 pixels)
System:	RGB 3-CCD system
Total number of pixels:	811(H) × 508(V)
Number of effective pixels:	768(H) × 494(V)
Spectral system:	f/1.4 prism system
Internal filters:	1: 3200K (clear) 2: 5600K + 1/8ND 3: 5600K 4: 5600K + 1/64ND
Quantizing:	10 bits, non-linear
Sampling frequency:	14.31818 MHz (4 fsc)
Digital signal processing:	28.63636 MHz (8 fsc)
Horizontal drive frequency:	28.63636 MHz (8 fsc)
Programmable gain:	3 positions (L, M and H) selected from 0, 3, 6, 9, 12, 15, 18, 21, 24, 30, 36 dB
Shutter speed	Preset: 1/100, 1/120, 1/250, 1/500, 1/1000, 1/2000 Variable:1/60.3 to 1/250.0
Lens mount:	Bayonet type
Sensitivity:	F11 (2000 lux)
Minimum subject brightness:	0.5 lux (at f/1.4 +36 dB)
Video S/N ratio:	62 dB (standard)
Horizontal resolution:	800 lines (at center) (CAM OUT connector)
Registration:	Less than 0.05% (total area, lens distortion excluded)
Geometric distortion:	Negligible (lens distortion excluded)

Specifications

[VTR UNIT]

Video system

Recording format:	DVCPRO format
Sampling frequency	Y: 13.5 MHz
	P_B/P_R: 3.375 MHz
Quantizing:	8 bits

Audio system

Sampling frequency:	48 kHz (synchronized with video)
Quantizing:	16 bits
Frequency response:	20 Hz to 20 kHz

Tape transport system

Tape format:	L-size DVCPRO cassette tapes
Tape speed:	33.820 mm/sec.
Maximum recording time:	184 min. (using the AJ-P184LP)

[CONNECTOR SECTION]

Input

AUDIO IN CH1/CH2 (XLR × 2, 3 pins):	LINE/MIC/MIC+48V switching system
	MIC: –40, –50, –60 dBu menu-selectable
	LINE: –6, 0, +4 dBu menu-selectable
	MIC+48V: Phantom +48V supported
MIC IN (XLR, 3 pins):	MIC/MIC+48V switching system
	MIC: –40, –50, –60 dBu menu-selectable
	MIC+48V: Phantom +48V supported (menu-selectable)
GEN LOCK IN (BNC):	1.0 V[p-p], 75 Ω
TC IN (BNC):	0.5 to 8 V[p-p], high impedance

Output

CAMERA OUT (BNC):	1.0 V[p-p], 75 Ω
VIDEO OUT (BNC):	1.0 V[p-p], 75 Ω
S-VIDEO OUT (S connector)	Y signal: 1.0 V[p-p], 75 Ω
	C signal: 0.286 V[p-p], 75 Ω
AUDIO OUT CH1/CH2 (RCA × 2):	–6 dBu, low impedance, unbalanced
TC OUT (BNC):	2.0 V[p-p], low impedance

Other

DC IN (XLR, 4 pins, male):	DC 12 V (DC 11 V to 17 V)
DC OUT (4 pins):	DC 12 V (DC 11 V to 17 V), max. 1 A
PHONE OUT (stereo mini jack)	
LENS (multi-connector, 12 pins)	
EVF (multi-connector, 20 pins)	
REMOTE (ECU, 6 pins)	
Wireless (25 pins, D-SUB female)	

Specifications

[VIEWFINDER]
(Optional accessory AJ-VF15)

CRT:	1.5-inch high-resolution monochrome CRT
Video system:	525 lines, 60 fields
External controls	Controls: BRIGHT, CONTRAST, PEAKING
	Switches: TALLY HIGH/OFF/LOW, ZEBRA ON/ OFF

[ACCESSORIES]

- **Battery connector (including screws) for supporting Sony battery**
- **Battery holder (already installed on unit) for Anton Bauer products**
- **Microphone kit**
- **Tripod plate**
- **Shoulder strap**

[RELATED EQUIPMENT]

Power supply-related products

Battery packs:	AU-BP402
Battery chargers:	AG-B425
Battery case:	AU-M402H
AC adapter:	AJ-B75

Audio products

Microphone kit:	AJ-MC700
Microphone holder:	AJ-MH700

Maintenance products

Cleaning tape:	AY-CL12LP

SAFETY PRECAUTIONS

GENERAL GUIDELINES

1. When servicing, observe the original lead dress. If a short circuit is found, replace all parts which have been over-heated or damaged by the short circuit.
2. After servicing, see to it that all the protective devices such as insulation barriers, insulation papers shields are properly installed.
3. After servicing, make the following leakage current checks to prevent the customer from being exposed to shock hazards.

LEAKAGE CURRENT COLD CHECK

1. Unplug the AC cord and connect a jumper between the two prongs on the plug.
2. Measure the resistance value, with an ohm meter, between the jumpered AC plug and each exposed metallic cabinet part on the equipment such as screwheads, connectors, control shafts, etc. The resistance value must be more than 5M .

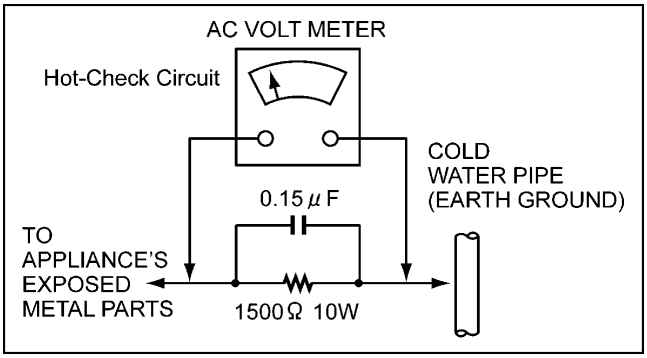


Figure1

LEAKAGE CURRENT HOT CHECK (See Figure 1)

1. Plug the AC cord directly into the AC outlet.
   Do not use an isolation transformer for this check.
2. Connect a 1.5k , 10W resistor, in parallel with a 0.15 F capacitor, between each exposed metallic part on the set an a good earth ground such as a water pipe, as shown in Figure1.
3. Use an AC voltmeter, with 1000 ohms/volt or more sensitivity, to measure the potential across the resistor.
4. Check each exposed metallic part, and measure the voltage at each point.
5. Reverse the AC plug in the AC outlet repeat each of the above measurements.
6. The potential at any point should not exceed 0.15 volts RMS. A leakage current tester (Simpson Model 229 equivalent) may be used to make the hot checks, leakage current must not exceed 0.1 milliamp. In case a measurement is outside of the limits specified, there is a possibility of a shock hazard, and the equipment should be repaired and rechecked before it is returned to the customer.

ELECTROSTATICALLY SENSITIVE (ES) DEVICES

Some semiconductor (solid state) devices can be damaged easily by static electricity. Such components commonly are called Electrostatically sensitive (ED) Devices. Examples of typical ES devices are integrated circuits and some field-effect transistors and semiconductor “chip” components. The following techniques should be used to help reduce the incidence of component damage caused by static electricity.

1. Immediately before handling any semiconductor component or semiconductor-equipped assembly, drain off any electrostatic charge on your body by touching a known earth ground.
   Alternatively, obtain and wear a commercially available discharging wrist trap device, which should be removed for potential shock reasons prior to applying power to the unit under test.
2. After removing an electrical assembly equipped with ES devices, place the assembly on a conductive surface such as alminum foil, to prevent electrostatic charge buildup or exposure of the assembly.
3. Use only a grounded tip soldering iron to solder or unsolder ES devices.
4. Use only an anti-static solder removal device classified as “anti-static” can generate electrical charges sufficient to damage ES devices.
5. Do not use freon-propelled chemicals. These can generate electrical charges sufficient to damage ES devices.
6. Do not remove a replacement ES device from its protective package until immediately before you are ready to install it.
   (most replacement ES devices are package with leads electrically shorted together by conductive foam, alminum foil or comparable conductive material).
7. Immediately before removing the protective material from the leads of a replacement ES device, touch the protective material to the chassis or circuit assembly into which the device will be installed.
   CAUTION : Be sure no power is applied to the chassis or circuit, and observe all other safety precautions.
8. Minimize bodily motions when handling unpackaged replacement ES devices. (Otherwise hamless motion such as the brushing together of your clothes fabric or the lifting of your foot from a carpeted floor can generate static electricity sufficient to damage an ES device).

X-RADIATION

WARNING

1. The potential source of X-radiation in EVF sets is the High Voltage section and the picture tube.
2. When using a picture tube test jig for service, ensure that jig is capable of handling 10kV without causing X-Radiation.

Note : It is important to use an accurate periodically calibrated high voltage meter.

3. Measure the High Voltage. The meter (electric type) reading should indicate 2.5kV,±0.15kV. If the meter indication is out of tolerance, immediate service and correction is required to prevent the possibility of premature component failure. To prevent an X-Radiation possibility, it is essential to use the specified picture tube.

- **Use a rain cover when the unit is to be used outdoors in rainy weather.**
- **Only L-size DVCPRO cassette tapes can be used with this camera recorder. Do not use standard size DV tapes or tapes of any other size.**

CAUTION
RISK OF ELECTRIC SHOCK DO NOT OPEN

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER SERVICEABLE PARTS INSIDE. REFER TO SERVICING TO QUALIFIED SERVICE PERSONNEL.

The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (service) instructions in the literature accompanying the appliance.

WARNING:

TO REDUCE THE RISK OF FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS EQUIPMENT TO RAIN OR MOISTURE.

CAUTION:

TO REDUCE THE RISK OF FIRE OR SHOCK HAZARD AND ANNOYING INTERFERENCE, USE THE RECOMMENDED ACCESSORIES ONLY.

CAUTION:

TO REDUCE THE RISK OF FIRE OR SHOCK HAZARD, REFER CHANGE OF SWITCH SETTING INSIDE THE UNIT TO QUALIFIED SERVICE PERSONNEL.

FCC Note:
This device complies with Part 15 of the FCC Rules. To assure continued compliance follow the attached installation instructions and do not make any unauthorized modifications.

This equipment has been tested and found to comply with the limits for a class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

Replace battery with part No. CR2032 only.
Use of another battery may present a risk of fire or explosion.
Caution—Battery may explode if mistreated.
Do not recharge, disassemble or dispose of in fire.



ATTENTION:
The product you have purchased is powered by a nickel cadmium battery which is recyclable. At the end of it's useful life, under various state and local laws, it is illegal to dispose of this battery into your municipal waste stream.
Please call 1-800-8-BATTERY for information on how to recycle this battery.

indicates safety information.

For your safety

■ **DO NOT REMOVE PANEL COVER BY UNSCREWING**
To reduce the risk of the electric shock, do not remove cover. No user serviceable parts inside. Refer servicing to qualified service personnel.

WARNING:
TO REDUCE THE RISK OF FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS EQUIPMENT TO RAIN OR MOISTURE.

CAUTION:
TO REDUCE THE RISK OF FIRE OR SHOCK HAZARD AND ANNOYING INTERFERENCE, USE THE RECOMMENDED ACCESSORIES ONLY.

Lithium Battery

Warning
The lithium battery in this equipment must only be replaced by qualified personnel. When necessary, contact your local Panasonic supplier.

"The lithium battery is a critical component (type number CR2032 manufactured by Panasonic).

It must never be subjected to excessive heat or discharge. It must therefore only be fitted in equipment designed specifically for its use.

Replacement batteries must be of the same type and manufacturer. They must be fitted in the same manner and location as the original battery, with the correct polarity connections observed.

Do not attempt to re-charge the old battery or re-use it for any other purpose. It should be disposed of in waste products destined for burial rather than incineration."

CAUTION
Danger of explosion if battery is incorrectly replaced.
Replace only with the same or equivalent type recommended by the equipment manufacturer. Discard used batteries according to manufacturer's instructions.

VARNING
Explosinsfara vid felaktigt batteribyte.
Använd samma batterityp eller en ekvivalent typ som rekommenderas av apparattillverkaren. Kassera använt batteri enligt fabrikantens instruktion.

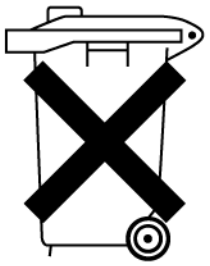
ADVARSEL!
Eksplosionsfare ved fejlagtig håndtering.
Udskiftning må kun ske med batteri af samme fabrikat og type. Levér det brugte batteri tilbage til leverandøren.

VAROITUS
Paristo voi räjähtää, jos se on virheellisesti asennettu.
Vaihda paristo ainoastaan laitevalmistajan suosittelemaan tyypiin. Hävitä käytetty paristo valmistajan ohjeiden mukaisesti.

Attention/Attentie

- This apparatus contains a lithium battery for memory back-up.
- For the removal of the battery at the moment of the disposal at the end of the service life please consult your dealer.
- Do not throw away the battery. Instead, hand it in as hazardous waste.

- Dit apparaat bevat een lithiumbatterij voor memory back-up.
- Raadpleeg uw leverancier over de verwijdering van de batterij op het moment dat u het apparaat bij einde levensduur afdankt.
- Gooi de batterij niet weg, maar lever hem in als KCA.



Panasonic®

Printed in Japan
SCD0111NHFK40

SECTION 1

SERVICE INFORMATION

CONTENTS

1. Service Menu INF-1
  1-1. Method of Displaying Service Menu Main Page INF-1
    1-1-1. MAIN menu INF-1
    1-1-2. SUB menu [FLARE/GAMMA] INF-1
    1-1-3. SUB menu [WHITE SHADING] INF-1
    1-1-4. SUB menu [CAMSYS MENU] INF-2
    1-1-5. SUB menu [VTR SERVICE 1/2] INF-2
    1-1-6. SUB menu [VTR SERVICE 2/2] INF-2
    1-1-7. SUB menu [INITIALIZE] INF-3
    1-1-8. SUB menu [EVR DATA] INF-3
    1-1-9. SUB menu [ERROR LOG] INF-3
    1-1-10. SUB menu [SERVICE VERSION] INF-4
    1-1-11. SUB menu [FACTORY INITIALIZE] INF-4
2. Method of Checking Error Rate INF-4
3. Method of Displaying Software Version and Hour Meter INF-5
  3-1. Preparation for the updating INF-5
    3-1-1. Parts needed for writing the flash memories INF-5
    3-1-2. Installing the flash memory version up software INF-5
    3-1-3. Cable connection INF-5
    3-1-4. Setting WRITE SELECT SW INF-5
  3-2. Procedure of writing VTR system control software INF-6
  3-3. Procedure of writing SERVO control software INF-7
  3-4. Procedure of writing Camera control software INF-7
4. Emergency Eject INF-9
5. CPLD Version Upgrade Procedure INF-10
  5-1. CPLD Version up Method 1 (ALTERA) INF-10
6. Compensating CCD white blemishes INF-15
7. Auto Off List INF-17
8. Cleaning Method INF-18
  8-1. Cleaning video heads INF-18
  8-2. Cleaning drum lead INF-18
  8-3. Cleaning pinch roller and capstan INF-18
  8-4. Cleaning posts INF-18
9. Internal Switch Setting INF-19
10. Circuit Board Layout INF-20

1. Service Menu

1-1. Method of Displaying Service Menu Main Page

Set the WHITE BAL SW to “PRST” and OUT PUT SW to “BARS”.

Press the MENU button so that view finder display is ON.

Turn the AUTO W/B BAL SW to AWB side and hold it. Press the MENU button once and release.

Release the AUTO W/B BAL SW. Press the JOG dial button three times to enter SERVICE menu.

1-1-1. MAIN menu

```
→ NEXT **** SERVICE ****
      FLARE/GAMMA..
      WHITE SEADING..
      DEFECT COMPENSATION
      VTR SERVICE 1/2..
      VTR SERVICE 2/2..
      INITIALIZE..
      EVR DATA..
      ERROR LOG..
      SERVICE VERSION..
      FACTORY INITIALIZE..
```

Each item in the MAIN menu is the index to open the SUB menu of the item.

1-1-2. SUB menu [FLARE/GAMMA]

```
→▲< FLARE/GAMMA >

      R FLARE          :100
      G FLARE          :100
      B FLARE          :100
      R GAMMA          :+00
      B GAMMA          :+00
      R GAIN           :+00
      B GAIN           :+00
      WHITE CLIP       :105%
      M.PED ADJ        :+00
```

Menu contents [FLARE/GAMMA]

Item	Variable Range	Initial value	Content
R FLARE	-128 to +127	+00	Varying Rch flare
G FLARE	-128 to +127	+00	Varying Gch flare
B FLARE	-128 to +127	+00	Varying Bch flare
R GAMMA	-15 to +15	+00	Varying Rch gamma
B GAMMA	-15 to +15	+00	Varying Bch gamma
R GAIN	-30 to +30	+00	Varying Rch gain
G GAIN	-30 to +30	+00	Varying Bch gain
WHITE CLIP	95% to 110%	105%	White Clip Adjustment
M.PED ADJ	-10% to +10%	+00%	Master Pedestal Adjustment

1-1-3. SUB menu [WHITE SHADING]

```
→▲< WHITE SHADING >

      WHITE SHADING     :READY
      WHITE COMPE       :READY
```

Menu contents [WHITE SHADING]

Item	Content
WHITE SHADING	Activating AUTO WHITE SHADING
WHITE COMPE	Activating White Shading Compensation

1-1-4. SUB menu [CAMSYS MENU]

```
→ ▲< CAMSYS MENU >

    DEFECT COMPENSATION  :OFF
    RAM EDITOR           :OFF
    AUTO ADJUST          :OFF
```

Menu Contents [CAMSYS MENU]

Item	Variable Range	Initial Value	Content
DEFECT COMPEN-SATION	ON / OFF	ON	DEFECT COMPENSATION MENU ON / OFF
RAM EDITOR	ON / OFF	ON	RAM EDITOR MENU ON / OFF
AUTO ADJUST	ON / OFF	ON	AUTO ADJUST MENU ON / OFF

This menu is used when servicing.
Settings are always ON when normal use.

1-1-5. SUB menu [VTR SERVICE 1/2]

```
→ ▲< VTR SERVICE 1/2 >

    CONCEAL          :ON
    INNER ECC        :ON
    OUTER ECC        :ON
    VITERBI          :ON
    BER ADJ          :ON
    BER SPEED        :SLOW
    BER RESULT       :2.7 3.4
    AUTO EQ          :ON
    AUTO ADJ         :OFF
    SERVO MODE       :ATF
    TRK VAL          :+000
```

Menu contents [VTR SERVICE 1/2]

Item	Variable range	Initial value	Content
CONCEAL	ON/OFF	ON	Concealment
INNER ECC	ON/OFF	ON	Inner error correction
OUTER ECC	ON/OFF	ON	Outer error correction
VITERBI	ON/OFF	ON	Viterbi detection/ decoding
BER ADJ	ON/OFF	OFF	Error rate detection
BER SPEED	SLOW :60 flames FAST :10 flames	SLOW	Error rate detection mode
BER RESULT	Lch/Rch	------	Switching error rate display
AUTO EQ	ON/OFF	ON	AUTO EQ
AUTO ADJ	ON/OFF	OFF	Automatic Adjustment of equalizer
SERVO MODE	ATF/CTL	ATF	Servo mode selection
TRK VAL	-128 to +128	+000	Tracking VR

1-1-6. SUB menu [VTR SERVICE 2/2]

```
→▲< VTR SERVICE 2/2 >

    T TORQUE         :0
    S TORQUE         :0
    PG SHIFT         :READY
    HSW_A_RISE       :1564
    HSW_A_FALL       :1564
    RP GAIN          :-40
    RP LIN           :OFF
    T/S PHOTO        :T0.0V/S0.0V
    SERVO MODE       :ATF
    TRK VAL          :+000
    X VAL SET        :OFF
    X VAL ADJ        :+000
```

Menu contents [VTR SERVICE 2/2]

Item	Variable range	Initial Value	Content
T TORQUE	+ 000	------	T-side reel torque adjustment
S TORQUE	+ 000	------	S-side reel torque adjustment
PG SHIFT	READY/ ACTIVE/ OK	------	PGMM adjustment
HSW_A_ RIZE	0 to 4096	1565	Display of PGMM adjustment Result

Item	Variable range	Initial value	Content
HSW_A_FALL	0 to 4096	1565	Display of PGMM adjustment Result
PR GAIN	-128 to +128	0	ATF gain adjustment
PR LIN	OFF/ON	OFF	ATF linearity
T/S PHOTO	-128 to +128	0.0V to 3.3V	Photo sensor level display
SERVO MODE	ATF/CTL	-	Servo mode selection
TRV MODE	-128 to +128	-	Tracking VR
X VAL SET	OFF/ON	-	Electrical Adjustment of the X-value
X VAL ADJ	-128 to +128	-	Measurement of the X-value

1-1-7. SUB menu [INITIALIZE]

```
→ ▲< INITIALIZE >

   DRUM RUN RESET    :READY
   THREADING RESET   :READY
```

Menu contents [INITIALIZE]

Item	Content
DRUM RUN RESET	DRUM RUN hour meter reset
THREADING RESET	THREADING hour meter reset

1-1-8. SUB menu [EVR DATA]

```
→ ▲< EVR DATA >
     (01)XX  (02)XX  (03)XX  (04)XX
     (05)XX  (06)XX  (07)XX  (08)XX
     (09)XX  (0A)XX  (0B)XX  (0C)XX
     (0D)XX  (0E)XX  (0F)XX  (10)XX
     (11)XX  (12)XX  (13)XX  (14)XX
     (15)XX  (16)XX  (17)XX  (18)XX
     (19)XX  (1A)XX  (1B)XX  (1C)XX
     (1D)XX  (1E)XX  (1F)XX  (20)XX
     (21)XX  (22)XX  (23)XX  (24)XX

   D/A ADDRESS          :01
   D/A DATA             :XX
```

Menu contents [EVR DATA]

Item	Content
D/A ADDRESS	Data address
D/A DATA	Data value

1-1-9. SUB menu [ERROR LOG]

```
→ ▲< ERROR LOG >
     FILE No.          :1
     LOG ALL CLEAR     :OFF
     ERR CODE/SEQ      :E-** **
     DATE              :2001.01.01
     TIME              :12:34:56
     OPE TIME          :000000Hr
     TAPE TOTAL        :200min
     TAPE REMAIN       :100min
     BATTERY           :1
     OBJ/MODE          000012:34:50
     000012:34:52      000012:34:50
     000012:34:56      000012:34:55
```

Menu contents [ERROR LOG]

Item	Variable range	Content
FILE No.	1 to 5/OFF	File No.
LOG ALL CLEAR	ON/OFF	ON: Deleting LOG DATA
ERR CODE /SEQ	E-** **	Error code, Sequence No.
DATE	2001.01.01	YY. MM. DD
TIME	12:34:56	Time
OPE TIME	000010Hr	Operating time
TAPE TOTAL	200min	Total length of tape
TAPE REMAIN	100min	Remaining amount of tape
BATTERY	1:Normal 1-F:Near End 7-F:End	The amount of battery rest
OBJ/MODE	000012:34:50	1st & 2nd digits OBJECT 3rd & 4th digits MODE 5th to 12th digits Time of occurrence

1-1-10. SUB menu [SERVICE VERSION]

```
→ ▲< SERVICE VERSION >
   VTR SOFT REV.          :V*.****a
   E600 Ver               :AWE***
```

Menu Contents [SERVICE VERSION]

Item	Variable range	Content
VTR SOFT REV.	V*.****a	"VTR SYSTEM CONTROL" Software Version
E600 Ver	AWE***	"CAMERA SYSTEM CONTROL" Software Version

1-1-11. SUB menu [FACTORY INITIALIZE]

```
→ ▲< FACTORY INITIALIZE >
   SYSTEM FULL INIT       : READY
```

Menu Contents [FACTORY INITIALIZE]

Item	Content
SYSTEM FULL INIT	Initializing all system data

2. Method of Checking Error Rate

The error rate of this unit can be checked by the following steps:

(1) Set the following items in SUB menu [VTR SERVICE 1/2] as follows:

Setting	
CONCEAL	OFF
INNER ECC	OFF
OUTER ECC	OFF
BAR ADJ	ON
VITERBI	ON
BER ADJ	ON
BER SPEED	SLOW
AUTO EQ	ON
SERVO MODE	ATF

(2) Measure BAR RESULT in SUB menu [VTR SERVICE 2/2] under the following operating conditions:

Measuring condition	Error rate spec.	
	L ch	R ch
Color bar alignment tape Playback	3.5 or less	3.5 or less
Camera color bar self recording/playback		

(Caution) If the measured BAR RESULT is out of specification (3.5 or less), the error rate display blinks.

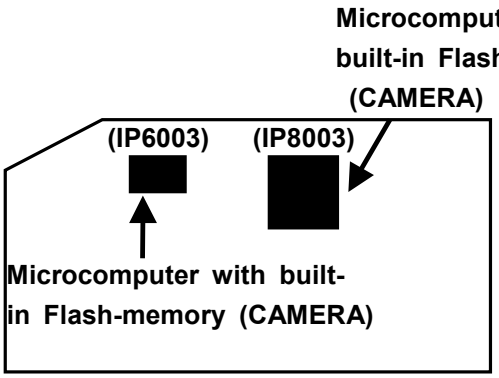
3. Method of Displaying Software Version and Hour Meter

Method of Updating Software

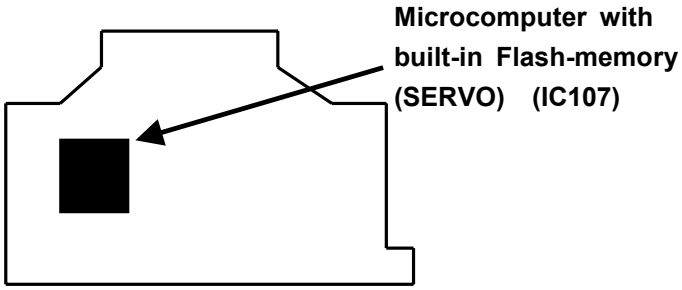
MAIN P.C.B. and SERVO P.C.B. (VTR SYSCON, SERVO, and CAMERA) have the microcomputers with built-in flash memory.

To update the microcomputer software version, flash memory version up software for each is used.

MAIN P.C.B. (parts side)



SERVO P.C.B. (parts side)



3-1. Preparation for the updating

3-1-1. Parts needed for writing the flash memories

Flash memory version up software

System control microcomputer →**"VFK1248E"**

Servo control microcomputer →**"VFK1503"**

Camera control microcomputer →**"FWC2"**

Personal computer with Microsoft Windows® 95/98

RS-232C cable (9-pin cross cable)

3-1-2. Installing the flash memory version up software for the updating

Make a copy of the contents of above version up software under an arbitrary directory of the personal computer. (After the files have been executed, "INI" files may be created under the same directory as the program files. The "INI" files can be either left as they are or deleted.)

Program files

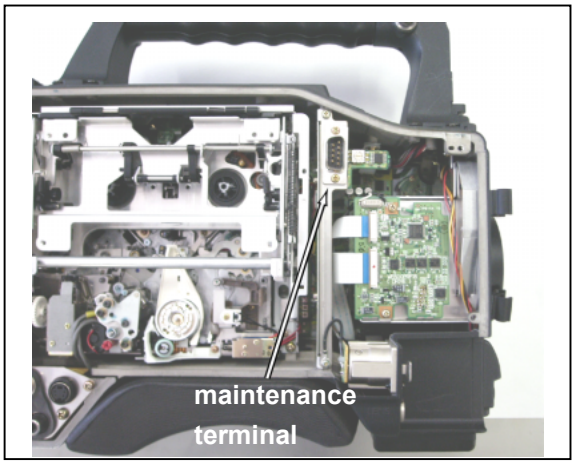
System control microcomputer → **"VSI2312E.EXE"**

Servo control microcomputer → **"fw103u.exe"**

Camera control microcomputer → **"FWC2.exe"**

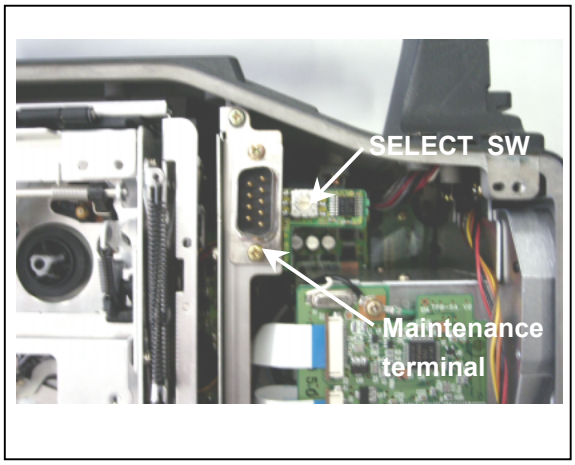
3-1-3. Cable connection

Turn off the power for the main unit, and connect the maintenance terminal on the lateral side of the main unit and the microcomputer with the RS-232C cable (9-pin cross cable).



3-1-4. Setting WRITE SELECT SW

Change the setting of WRITE SELECT SW above the maintenance terminal according to the flash memory to be written.



Number	Name	Functional description
0	NORMAL	Connection OFF position
1	CAMERA WR 1	Writing camera software (1)
2	CAMERA WR 2	Writing camera software (2)
3	SERVO WR	Writing servo software
4	VTR RESERVE	(VTR reserve)

5	VTR WR	VTR system control software
6	SERVO RESERVE	(Servo reserve)
7 to 9	NC	Not used.

(Notes)

In the normal state (after the writing has been finished and power turned OFF), set the position to "0".

Do not change the setting of the SELECT SW during the normal operation.

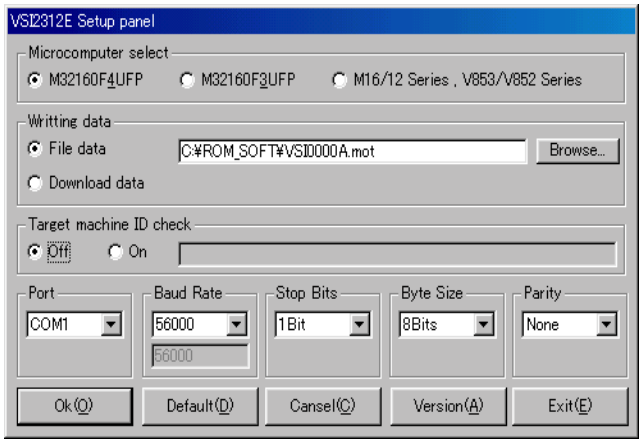
Do not turn off the power or disconnect the cable while writing the software.

Do not change the setting of the SW to other than the position 1 and 2 while writing the software.

Do not change the setting of the SW to other than the specified set position while writing the software.

3-2. Procedures of writing VTR system control software

1. Make sure that the power of the Camera/VTR is turned OFF.
2. Change the setting of the WRITE SELECT SW to "5".
3. Connect the personal computer and the Camera/ VTR with the RS-232C cable (9-pin cross cable).
4. Turn ON the power for the Camera/VTR.
5. Press EJECT button and make sure that the cassette does not lift up at that time. (If the cassette lifts up, check whether the cable is properly connected and the SW is set to the right position.)
6. Start the flash-memory version up software "VS12312E.EXE". (Double-click the program file "VS12312E.EXE" that was copied under the arbitrary directory.)
7. After the program file has up, VSI2312E Setup Panel window opens.

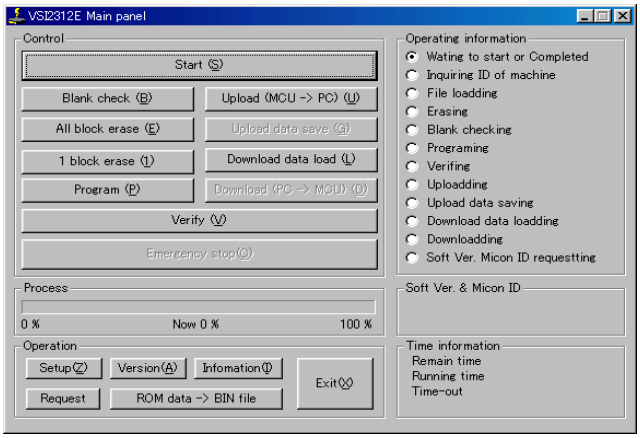


8. Make the following settings in the "VSI2312E Setup Panel" window:

- Microcomputer Select →**"M32160F4UP"**
- Writing data →**"*******.mot"**

(By using "Browse" button.., select a update file, MOT file.)

- Port →**"232C connection port"**
- Baud Rate →**"56000"**
- Stop Bits →**"1Bit"**
- Byte Size →**"8Bits"**
- Parity →**"None"**



9. Click "Start(S)" button on the "VSI2312E Main Panel" window.
   (If this process is to be stopped, click "Exit(X)" button. When returning to "VSI2312E Setup Panel" window, click "Setup(Z)" button.)
10. After the flash memory has been erased, the new software is written in. During the writing process, the proceeding of the writing can be confirmed in the Process indicator. If the writing does not proceed for any reason, click "Emergency stop(C)" button to stop the processing, and check the connection and the settings again.
11. When the flash memory has been erased and written in, the Process indicator reaches 100%, and "Waiting to Start or Completed" message in the "Operating information" section is checked.
12. Turn OFF the power for the Camera/VTR, disconnect the cable, and return the WRITE SELECT SW to its original position "0".
13. Confirm that the version of the new software is indicated at DIAG menu.

3-3. Procedures of writing SERVO control software

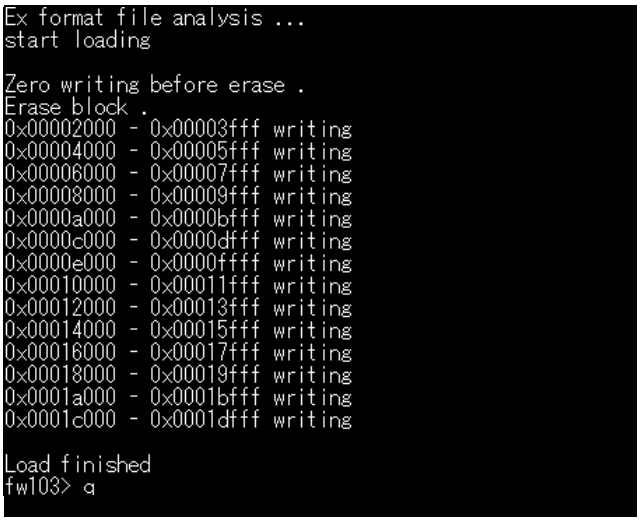
1. Make sure that the power for the Camera/VTR is turned OFF.
2. Change the setting of the WRITE SELECT SW to “3”.
3. Connect the personal computer and the Camera/ VTR with the RS-232C cable (9-pin cross cable).
4. Turn ON the power for the Camera/VTR.
5. Press EJECT button and make sure that the cassette does not lift up at that time. (If the cassette lifts up, check whether the cable is properly connected and the SW is set to the right position.)
6. Copy the servo version up software (VFK1503) and the new servo microcomputer software into the same directory of the personal computer. (The following four files.)

   Version up software (VFK1503) “fw103u.exe”
   Servo microcomputer software “vsiXXXX.obf”
   “vsiXXXX.bat”
   ”vsiXXXX.ex”

7. Double Click the **“VSIXXXX.bat”** file at the explorer window to start flash memory update.
8. When the following window appears, type “Y” and click ENTER button. (While the program is being written in, the proceeding is indicated on the personal computer screen.)



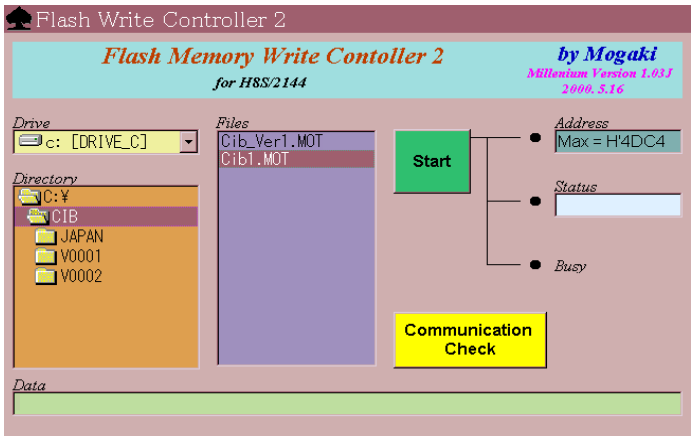
9. When “Load finished” message appears, the writing has been completed.



10. Turn OFF the power for the Camera/VTR, disconnect the cable, and return the WRITE SELECT SW to its original position “0”.
11. Confirm that the version of the new software is indicated at DIAG menu.

3-4. Procedures of writing Camera control software

1. Make sure that the power for the Camera/VTR is turned OFF.
2. Change the setting of the WRITE SELECT SW to “1”.
3. Connect the personal computer and the Camera/ VTR with the RS-232C cable (9-pin cross cable).
4. Turn ON the power for the Camera/VTR.
5. Press EJECT button and make sure that the cassette does not lift up at that time. (If the cassette lifts up, check whether the cable is properly connected and the SW is set to the right position.)
6. Start the flash-memory version up software “FWC2.exe”.
7. After the program file has started up, “Flash Write Controller 2” window opens.
8. Select a new Camera control software, MOT file, and read it in. After the file has been read in, Start button appears.



9. Clicking “Communication Check” button changes the color from yellow to green and the remark changes to “Check O.K”. Now, the preparation for writing the software has been completed. (If the color and the remark do not change, check the hardware. Because another communication software may be using the communication port, exit all the other communication software.)
10. After the “Check O.K.” remark has appeared, turn the WRITE SELECT SW to “2”, and click “Start” button to start the writing. The remark change during the writing as follows:

Address:	Indicates the write address during the writing at green.
Status:	Indicates the writing status. “Go” means the data reception is possible.
Busy:	If the data transmission stops for a long time, Busy becomes yellow.
Data:	Data transmitted in the serial communication during the writing.

11. When the writing has completed, “Write O.K.” message appears in blue at the Status field, and “Check O.K.” button changes to yellow.
12. Turn OFF the power for the Camera/VTR, disconnect the cable, and return the WRITE SELECT SW to its original position “0”.
13. Confirm that the version of the new software is indicated at DIAG menu.

(Notes)

1. Turn off the screen saver of the personal computer.
2. Exit the software in which messages appear at the foremost of the screen (E-mail arrival, and the like).
3. Do not touch the personal computer or the Camera/VTR after starting the writing.
4. Never turn off the power for the personal computer or the Camera/VTR while writing software.
5. If any ERROR appears, click the writing software with the mouse to bring it forward without making haste, and click “Start” button. Never exit the writing software.

4. Emergency Eject

In the event that a cassette is not ejected by pressing EJECT button, take the following Emergency Eject procedures.

1. Turn OFF the power.
2. Remove the rubber cap and insert a Phillips Screwdriver to the cross-shaped recess of the EMERGENCY screw (red) as shown in the figure below:



3. While pushing the EMERGENCY screw with the screwdriver, turn the screw counterclockwise until the cassette is ejected.
   - The screw must be turned about 20 turns before the tape unloading begins.
   - The screw must be turned about 90 turns from the beginning of the tape unloading to the cassette eject.
4. Take out the cassette.
5. Attach the rubber cap again.

<Caution>

- Do not turn the EMERGENCY screw except in emergency.
- Do not turn the EMERGENCY screw clockwise. Also, do not turn the screw farther after the cassette has been ejected. Otherwise, the mechanism may be broken down.
- After the cassette has been ejected, the cassette holder can not be locked even if it is pushed to close. Turn on the power to reset the action of the mechanism, and then close the cassette holder.
- Click sounds occur during the time when the EMERGENCY screw is turned. These sounds occur while the reel is driven and they are not abnormal.

5. CPLD Version Upgrade Procedures

The AJ-D410AP uses **CPLDs**. At the time of a version upgrade, use the special tool, connect the respective connection connectors, and use the CPLD writing software.

5-1. CPLD Version up Method 1 (ALTERA)

A. Preparation

ITEM	REMARK
C PLD WRITER	VFK1590 VFK1590P2 (VFK1590 standard)
D-sub 25pin-25pin Cable	Straight (Male - Female), Length : Within 1meter
Version Upgrade Software	MAX+plus II Software (Please Download from www.altera.com/support/devices/programing/sup-asap2.html)
Version Upgrade Data	TDF File or POF (Include in “vsi xxxx” file)
Personal Computer	WINDOWS 95® or 98®

B. Connection

1. Connect the D-sub Cable between CN201(for ALTERA) connector of the CPLD WRITER (VFK1590) and Personal Computer (Printer port).
2. Connect the CPLD WRITER Cable (VFK1590P2) between P17 connector on MAIN PCB of AJ-D410AP and P2 connector of CPLD WRITER. (Refer to Figure 2-2-2.)
3. Turn on AJ-D410A and Personal Computer (Windows mode).

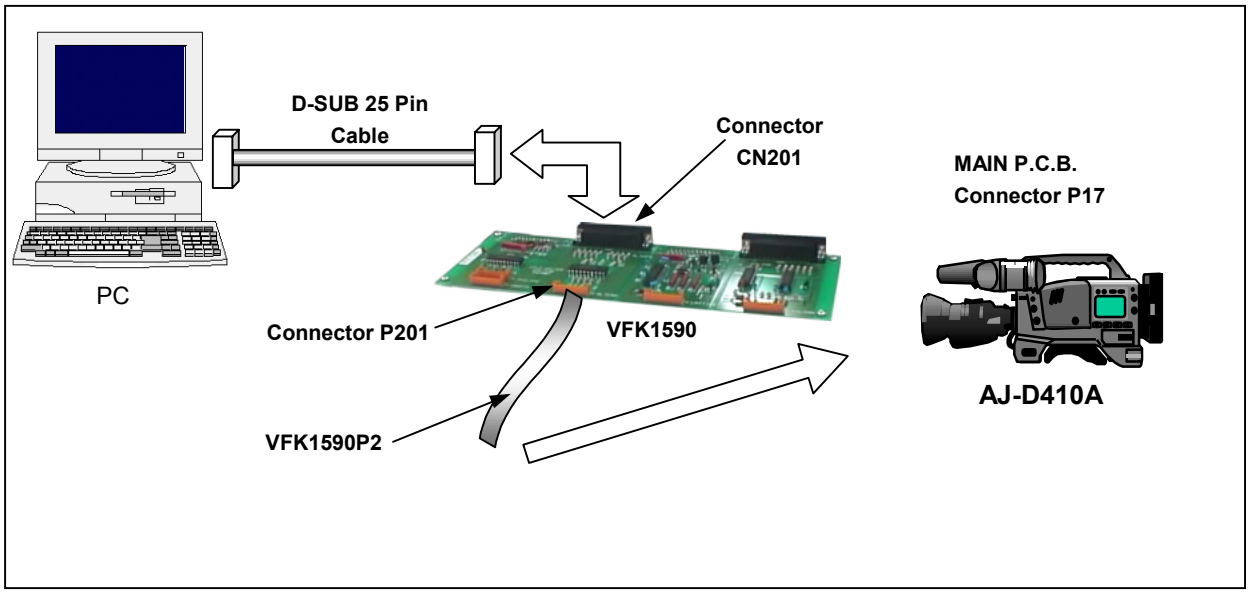
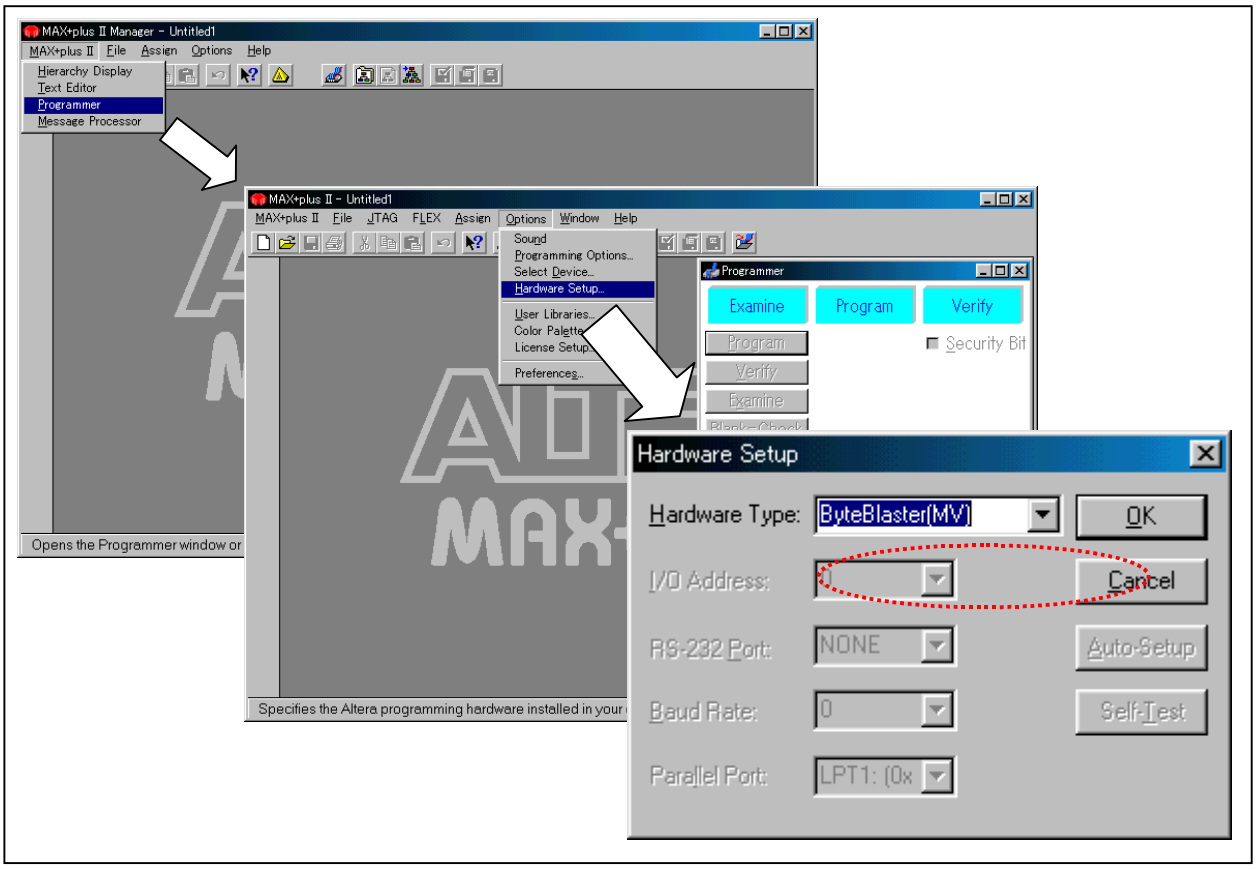


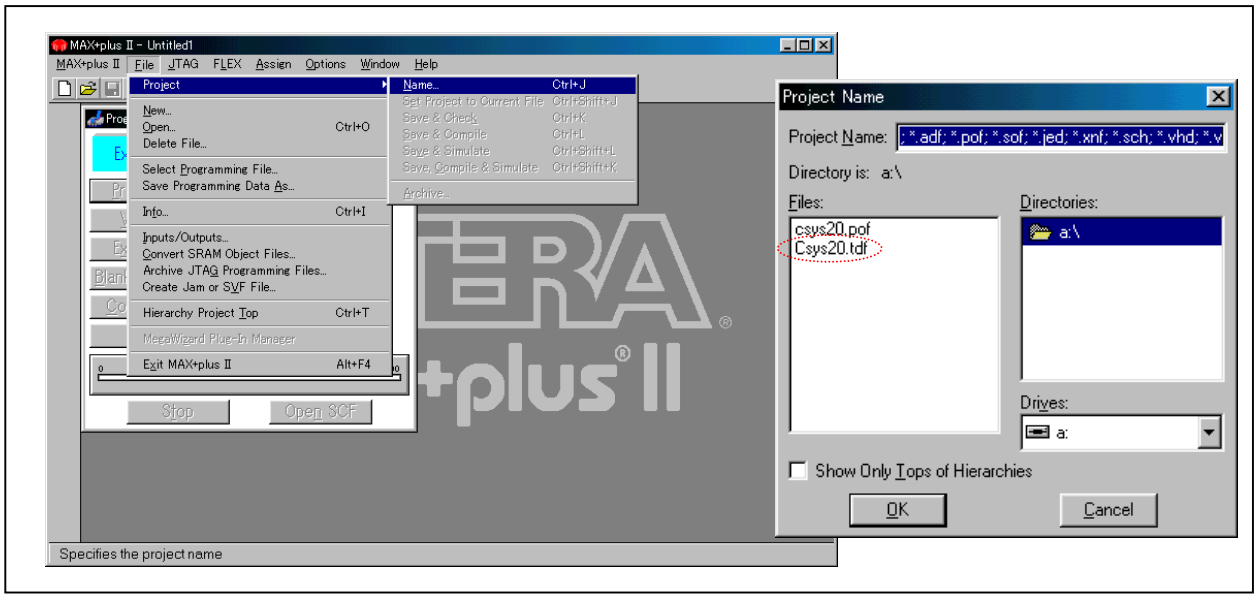
Figure 2-2-2 Connection for CPLD version up

C. Boot up the Ver. up Software and Ver. up Procedure

1. Boot up the **"MAX+plus II 9.6 programmer only"** Software.
2. On main window, select tab **"MAX+plus II"** and then **"Programmer"**.
3. On main window (Programmer window is displayed), select tab **"Option"** and then **"Hardware Setup"**.
4. On **Hardware Setup** dialog, set the **"Hardware Type"** to **"Byte Blaster (MV) "**.



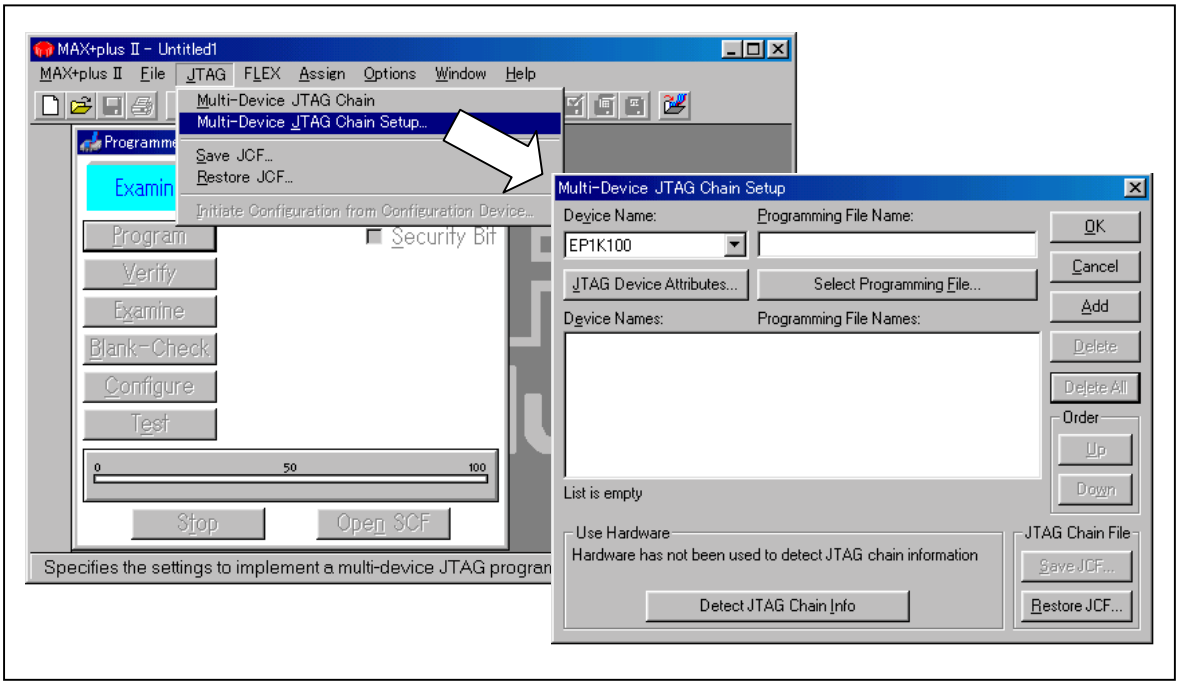
5. On main window, select tab **"File"**, **"Project"** and then **"Name"**.
6. On dialog of **Project Name**, select the **"tdf format file"** or **"pof format file"** and then press **"OK"** button.



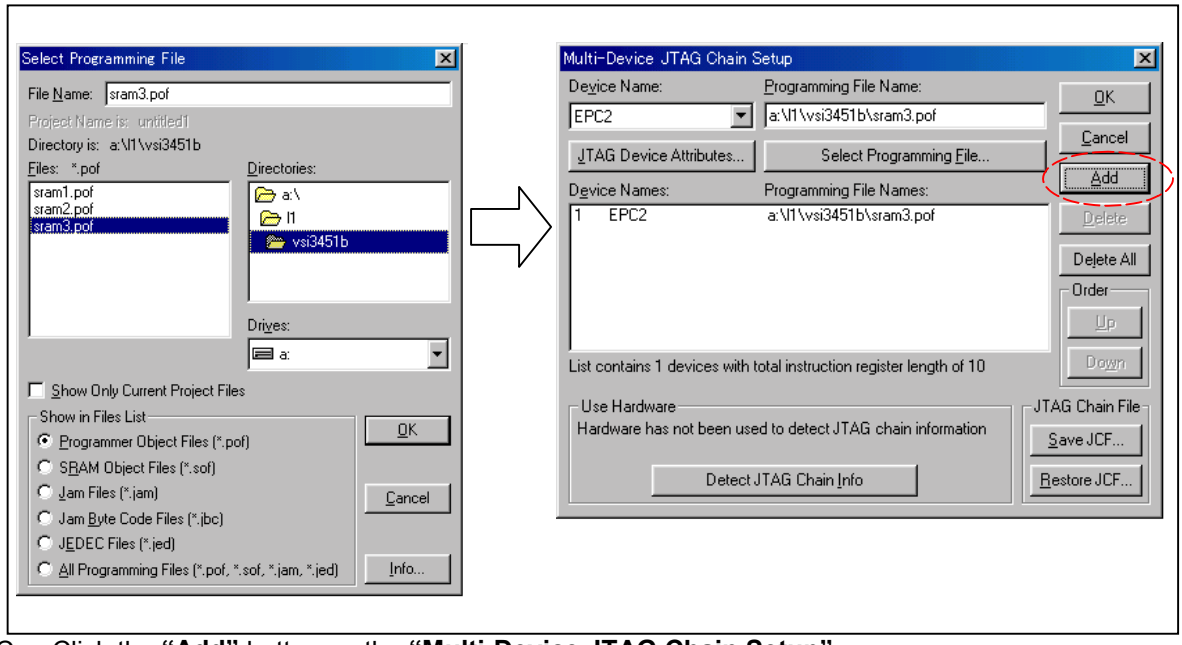
<Reference : Creation of chain file>

Use a **"chain file (in jcf format)"** for write-operation when a PCB includes several PLDs.
If no chain file has been created, create a chain file by the following procedures. (Example of L1 PCB)

A. Select **"Multi-Device JTAG Chain Setup"** on the main screen to display the **"Multi-Device JTAG Chain Setup"** screen.

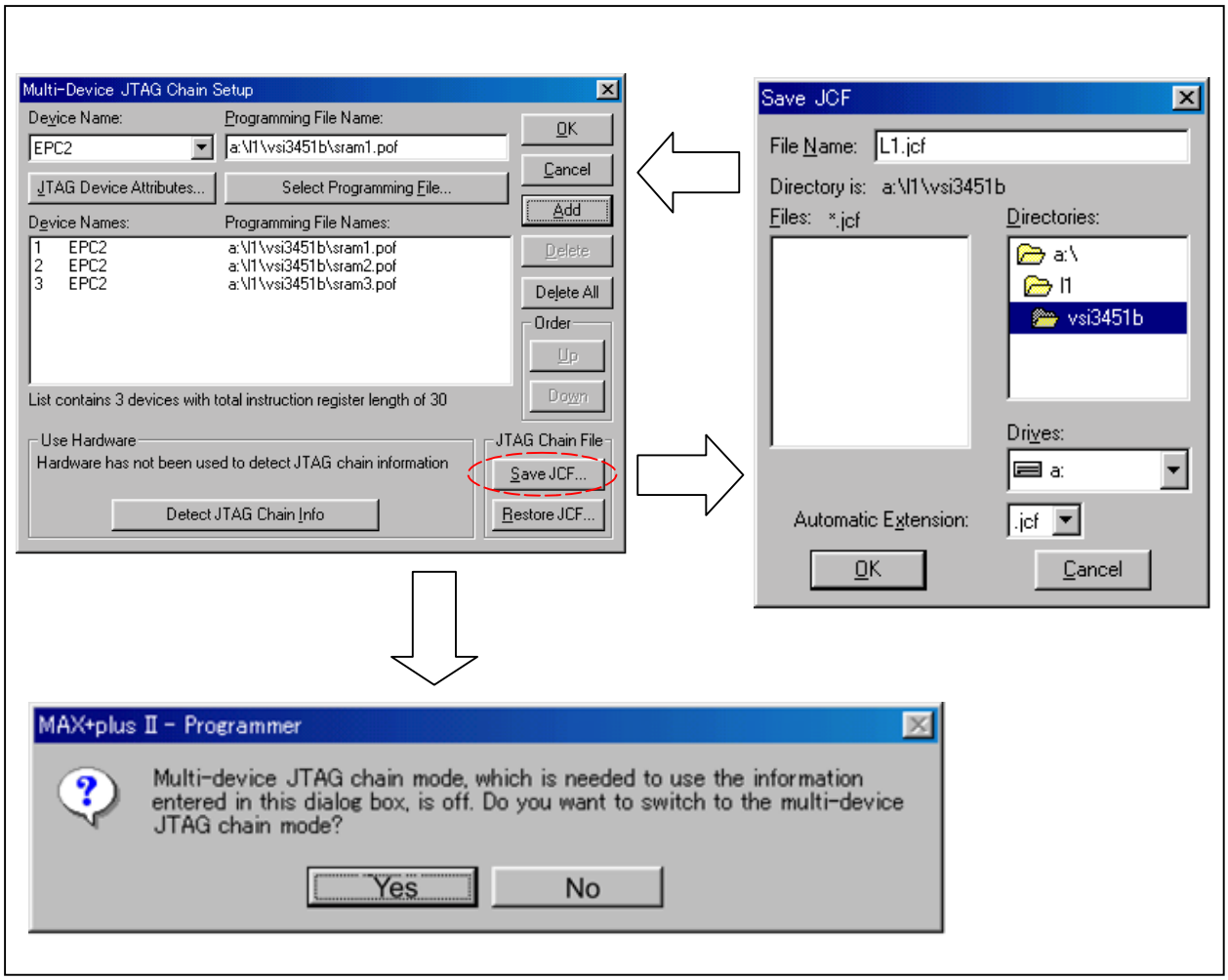


B. Click the **"Select Programming File"** button to display the **"Select Programming File"** screen. Next, select the drive which has software, and select the **"pof"** file. If three pof files can be seen as shown below, select a file in order of larger number, and click the **"OK"** button. Then, the **"Multi-Device JTAG Chain Setup"** screen is displayed.

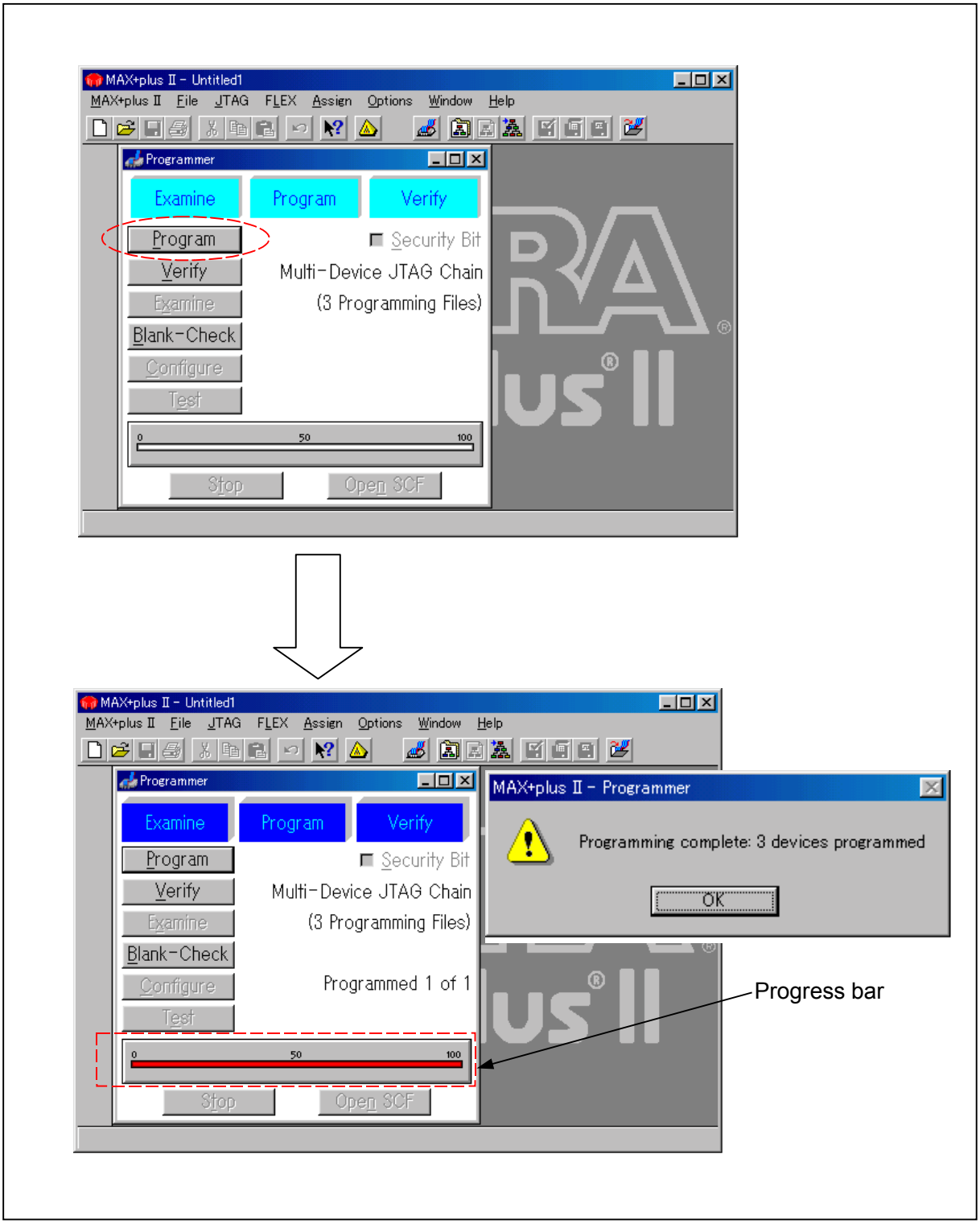


C. Click the **"Add"** button on the **"Multi-Device JTAG Chain Setup"** screen.

D. Repeat the steps 2 and 3 to capture the **"pof"** file.
E. Click the **"Save JCF"** button. Then, the **"Save JCF"** screen is displayed.
F. Enter a file name, and click the **"OK"** button.
G. Click the "OK" button on the **"Multi Device JTAG Chain Setup"** screen. Then, the following message is displayed : Multi-device JTAG chain mode, which is needed to use the information entered in this dialog box, is off. Do you want to switch to the multi-device JTAG chain mode ?
When this message is displayed, click **"YES"**.



7. Click the **“Program”** button on Programmer dialog.
8. When Progress Bar reaches at point of **100**, the message “Programming Complete” appears, then PLD version upgrade is completed. Click **“OK”** button on the **Programming complete** message Dialog.



* MAX+PLUS are registered trademarks of Altera Corporation.

* Windows95 and Windows98 are registered trademarks of Microsoft Corporation.

6. CCD White blemishes compensation

Procedures of compensating CCD white blemishes.

Preparation

To set HIGH GAIN to 30dB, take the following procedures.

1. Connect a monitor TV to the VIDEO OUT, and turn ON the power.
2. Press the MENU button to display the SCENE menu.
3. While the "→" is located at NEXT position, press the JOG dial button to select MAIN 1/2 menu. (If the "→" is not located at NEXT position, move it by rotating the JOG dial button.)

```
→NEXT∗∗∗∗  MAIN 1/2  ∗∗∗∗

  DATA READ/WRITE . .
  SW MODE . .
  VIDEO IN/OUT . .
  VTR FUNCTION . .
  VTR OPTION . .
  BATTERY . .
  MIC AUDIO . .
  LENS SHADING . .
```

4. Move the "→" to select SW MODE and press the JOG dial button.

```
→▲<SW MODE>

  LOW GAIN      : 0dB
  MID GAIN      : 9dB
  HIGH GAIN     : 18dB
  ATW           : OFF
  SUPER V       : OFF
  QUICK FOCUS : ENABLE
  FULL AUTO     : ENABLE
  SCENE FILE    : ENABLE
```

5. Take a note of HIGH GAIN setting, so that it can be return to original setting before return to customer.
6. Select the HIGH GAIN and press the JOG dial button. (Current setting blinks)
   Change it to 30dB and press the JOG dial button to set the change.
7. Press the MENU button to finish the preparation.
8. Connect a monitor TV. Set the GAIN SW to "H" position and confirm whether there are white blemishes.
   When there are white blemishes, perform the following procedures.

White blemish compensation procedures

1. Set the SW position as follows;
   WHITE BAL SW : PRST
   OUTPUT SW : BARS
2. Press the MENU button so that view finder display is ON.
3. Turn the AUTO W/B BAL SW to AWB side and hold it.
4. Press the MENU button once and release.
5. Release the AUTO W/B BAL SW.
   (SCENE menu is displayed.)
6. Press the JOG dial button three times to enter SERVICE menu.

```
→NEXT∗∗∗∗  SERVICE  ∗∗∗∗

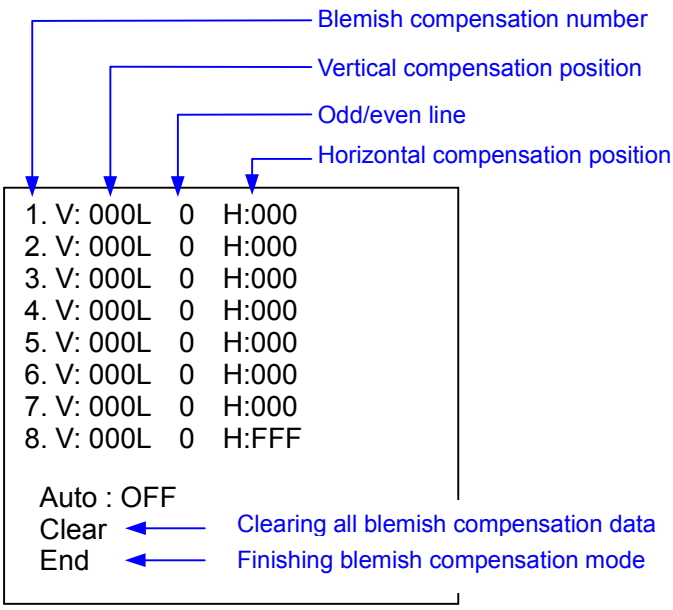
  FLARE/GAMMA . .
  WHITE SHADING . .
  CAMSYS MENU . .
  VTR SERVICE 1/2 . .
  VTR SERVICE 2/2 . .
  INITIALIZE . .
  EVR DATA . .
  ERROR LOG . .
  DIF STATUS . .
  SERVICE VERSION . .
  FACTORY INITIALIZE . .
```

7. Enter the CAMSYS MENU and move the "→" to DEFECT COMPENSATION then press the JOG dial button. (The "OFF" blinks.)

```
→ ▲ <CAMSYS MENU>

  DEFECT COMPENSATION : OFF
  RAM EDITOR          : OFF
  AUTO ADJUST         : OFF
```

8. Rotate the JOG dial button upward.
   The White blemish compensation menu appears.



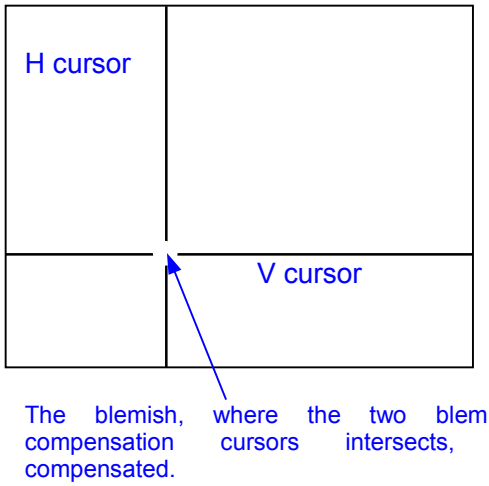
9. When there is the value at the Vertical / Horizontal compensation position more than 31F in hexadecimal, clear it as follows.

   a. Rotate the JOG dial button to move cursor (blinking letters) to the **Clear**.
   b. In the above condition, rotate JOG dial button upward while pressing QUICK FOCUS button. The data will be cleared.

10. Select the blemish compensation number with JOG dial button.
11. Set the BARS/CAM switch of the AJ-D410AP from the CAM position to the BARS position. The character display (blemish compensation menu) will disappear and the Cursor screen will appear. The cursors may be positioned outside the display area. In this case, move the cursors to the position, with MODE CHECK, QUICK FOCUS and JOG dial buttons.

   Move the V cursor in the vertical direction
   Rotate JOG dial button while pressing MODE CHECK button.

   Move the H cursor in the horizontal direction
   Rotate JOG dial button while pressing QUICK FOCUS button.



12. Connect a monitor TV to the CAM OUT.
13. Observe the CAM OUT, and move the H cursor and the V cursor to the position of blemish. When the intersecting point of two cursors comes onto the position of blemish, the blemish is compensated.
14. Return the BARS/CAM switch to the CAM position after compensating the blemish. (The blemish compensation menu will appear again. This is not displayed on the CAM OUT, so confirm it on the VIDEO OUT.)
15. When compensating the next blemish, repeat the above steps 10-14.
16. After completing compensation of blemishes, rotate the JOG dial button to move cursor (blinking letters) to the **END**.
    In this condition, rotate JOG dial button upward while pressing the QUICK FOCUS button to finish "White blemish compensation procedures".
17. Return the setting of the menu item HIGH GAIN to the value, which has been noted down before performing “White blemish compensation procedures”. (Refer to the Preparation 5.)
18. Turn off the power.

7. AUTO OFF LIST

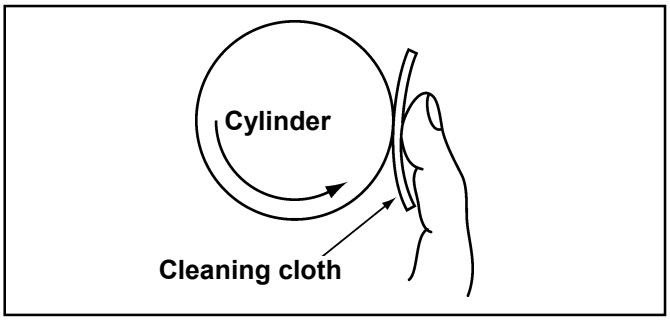
Code	Auto-Off condition
E-04	• Failure of the pinch-roller solenoid or reel brake solenoid drive circuit has been detected.
E-08	• Failure of the cleaning solenoid drive circuit has been detected.
E-0B	• Where the radius of the tape winding is the minimum, the reel is rotating at the speed of more than 150 times normal playback speed. • When the tape is running in the reel drive mode (without tape speed 0 %) , the tension sensor voltage continues to be less than 0.3 V or more than 4.7 V for more than 5 seconds. • The take-up reel has rotated more than one turn in the direction opposite to the tape running.
E-0C	• When the capstan has driven the tape by 3 cm, the number of FG counts of the take-up Reel is less than the specified value (before detecting the radius of the tape winding). • In ± x1 playback speed, when the amount of tape transport either on the take-up reel or supply reel has reached 3 cm, the difference in the amount of tape transport between the two reels is more than 2 cm (after detecting the radius of the tape winding). • While the tape is running, FG output of the take-up reel is not counted for 5 seconds (irrelevant to tape radius detection). • Where the radius of the tape winding is the minimum, the reel rotates at the speed of more than 150 times normal playback speed for more than 2 seconds. • When the tape is running in the capstan mode, the tension sensor voltage continues to be less than 0.3 V for 5 seconds.
E-0D	• While the capstan motor is rotating, the FG output is not detected for more than 5 seconds.
E-0E	• While the cylinder motor is rotating, the FG output is not detected for more than one second. • The PG output is not detected for more than 5 seconds. • While the cylinder is rotating, the period of the PG pulses continues to be less than 3 msec for 2 seconds.
E-0F	• Tape loading does not finish within 10 seconds. • Tape loading error: if tape loading is locked after the half loading, the loading is retried three times and the loading is still locked at the fourth retry. • Tape unloading does not finish within 10 seconds. • From the start of tape loading to the half loading, the tension sensor voltage continues to be more than 1.5 V for 40 msec. • When the tape is running in FF/REW after the leader tape has been detected at the half loading, the output of the take-up reel FG counts more than five times the output from the leader tape length. • The tape is not wound up during unloading. • The tape start or tape end processing does not finish even after 10 seconds.
E-38	• Servo microcomputer serial communication error.

8. Cleaning Method

Cautions: Turn off the power while doing cleaning.
As a cleaning liquid use ethanol (99% or more).

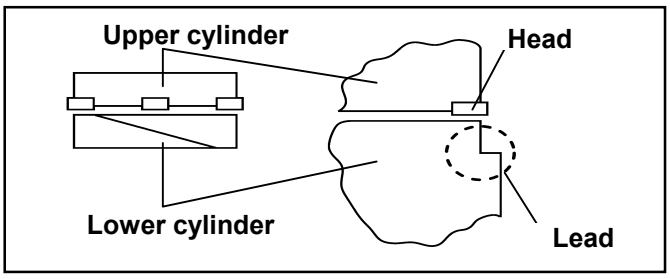
8-1. Cleaning video heads

Lightly press a cleaning cloth damped with a cleaning liquid onto the cylinder, and rotate the cylinder counterclockwise. Repeat this several times until no more dirt sticks to the cleaning cloth. Finally, wipe the cylinder with a new dry cleaning cloth. Do not touch the cylinder with bare hands.



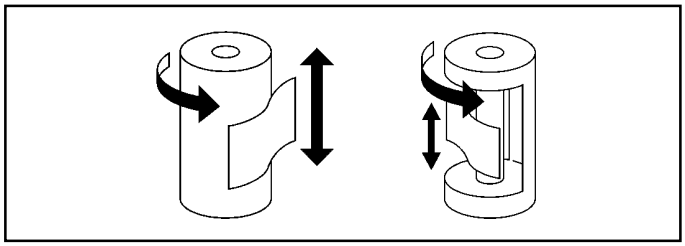
8-2. Cleaning drum lead

Remove the dust stuck to the drum lead with something like a tooth pick.
Do not hit the video head tips with the tooth pick or the like.



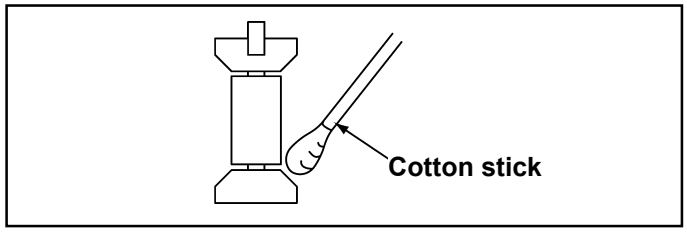
8-3. Cleaning pinch roller and capstan

Wipe the pinch roller and capstan with a cloth damped with a cleaning liquid.



8-4. Cleaning posts

Wind a dry cleaning cloth round a thin stick and wipe the posts with the stick. As far as the fixed posts are concerned, at first wipe them with a cleaning cloth damped with a cleaning liquid, and then wipe with a dry cleaning cloth.

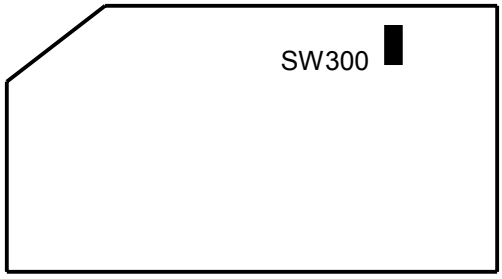


9. Internal Switch Setting

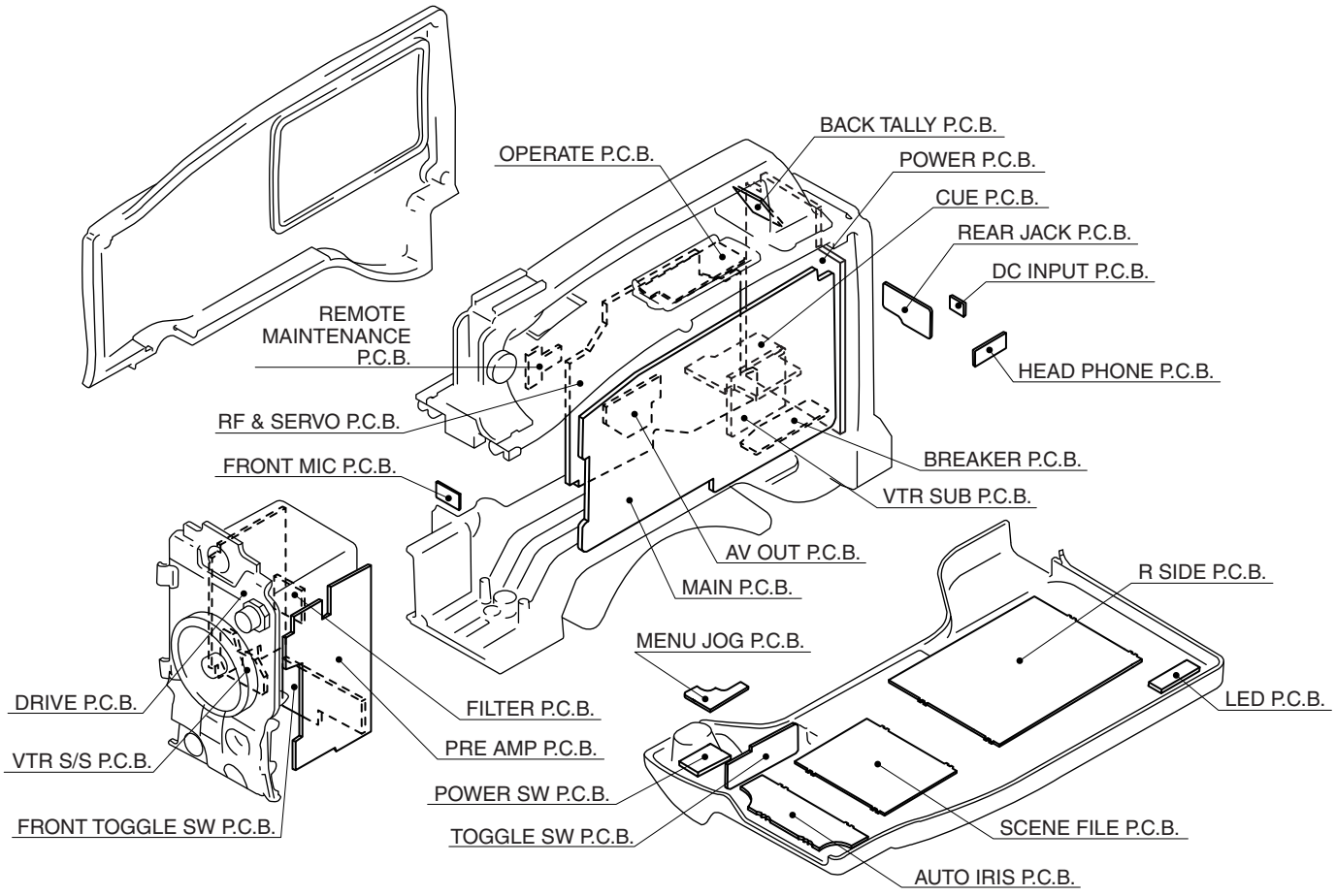
The switche setting on each circuit board are shown below.
The switches “Factory use only” must be set to the “factory setting”.

BOARD	Ref. No.	SW	FACTORY SETTING	FEATURE
MAIN	SW300	1	OFF	Factory use only
		2	OFF	Factory use only
		3	OFF	Factory use only
		4	OFF	TEST MODE (for Camera Adjustment refer to Electrical Adjustment)

MAIN P.C.Board



10. CIRCUIT BOARD LAYOUT



SECTION 2

DISASSEMBLY PROCEDURES

CONTENTS

2. Disassembly DIS-1
2-1. Removal of Cassette Cover DIS-1
2-2. Removal of Left Side Panel DIS-1
2-3. Removal of Right Side Panel DIS-1
2-4. Removal of VTR MAIN P.C.B. DIS-1
2-5. Removal of Cassette Up Unit DIS-1
2-6. Removal of Mechanical Unit DIS-2
2-7. Removal of Camera Unit DIS-2

2. Disassembly

2-1. Removal of Cassette Cover

1. Unscrew the 4 screws (A) and remove the Cassette Cover.



2-2. Removal of Left Side Cover

1. Unscrew the 4 screws (B) and remove the Left Side Cover.

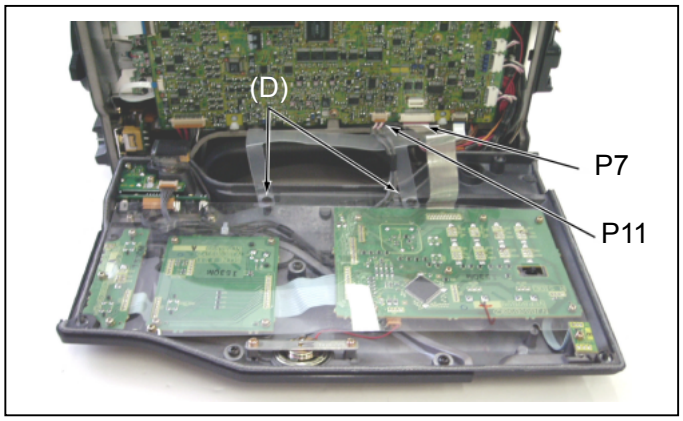


2-3. Removal of Right Side Cover

1. Unscrew the 4 screws (C).
2. Unscrew the screws (D).

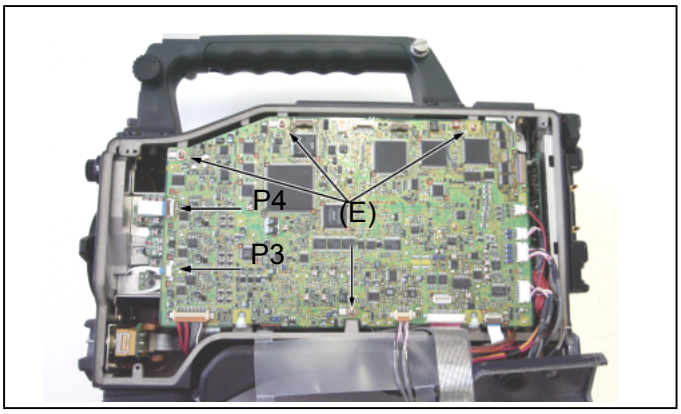


3. Disconnect the connector (P7, P11) and remove Right Side Panel.



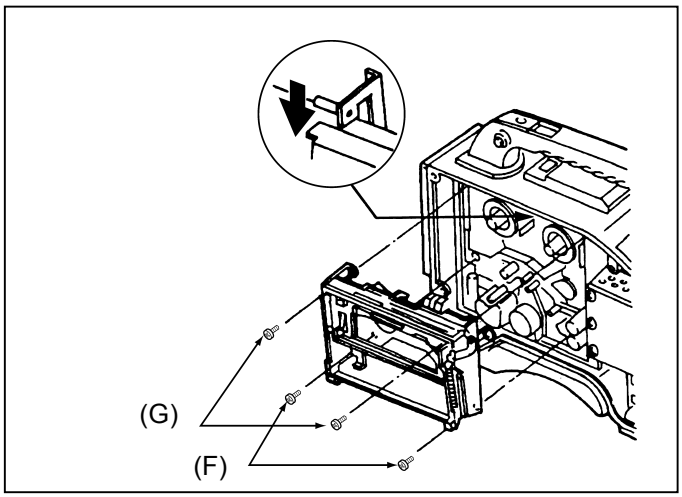
2-4. Removal of VTR MAIN P.C.B.

1. Unscrew the 4 screws (E).
2. Disconnect the connector (P3, P4) and open VTR MAIN P.C.B..



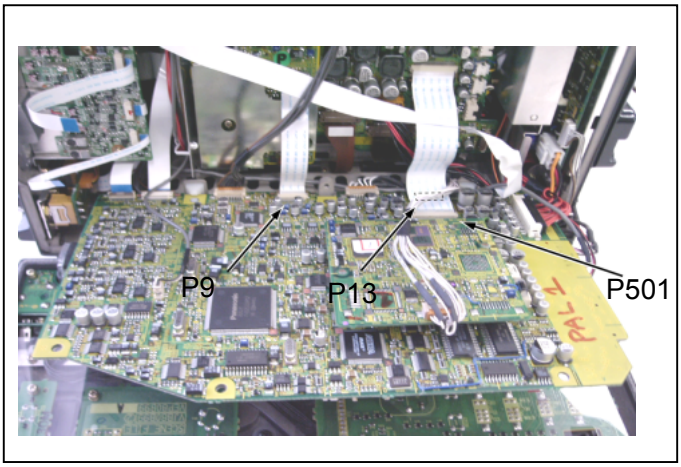
2-5. Removal of Cassette Up Unit

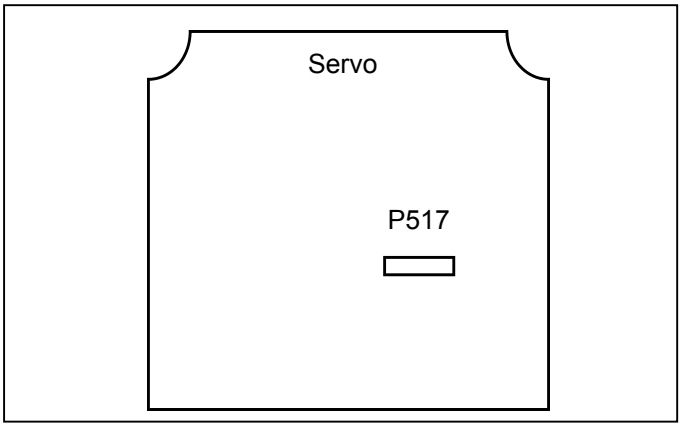
1. Push the Cassette Up Unit lock.
2. Unscrew the 2 screws (F) and 2 screws (G). Remove the Cassette Up Unit.



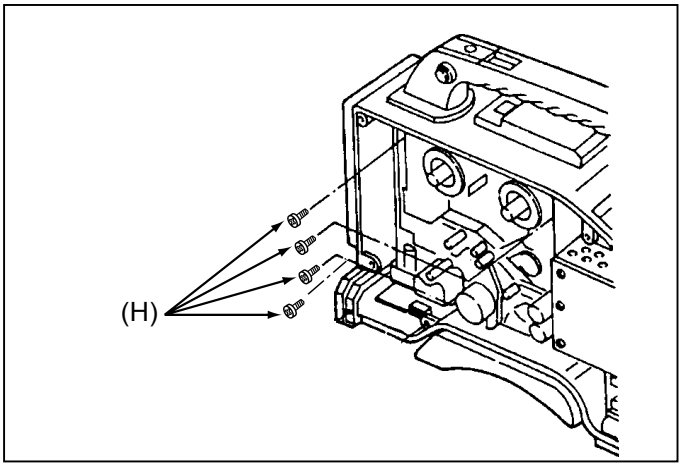
2-6. Removal of Mechanical Unit

1. Disconnect the connector (P9, P13, P501) and connector (P517).



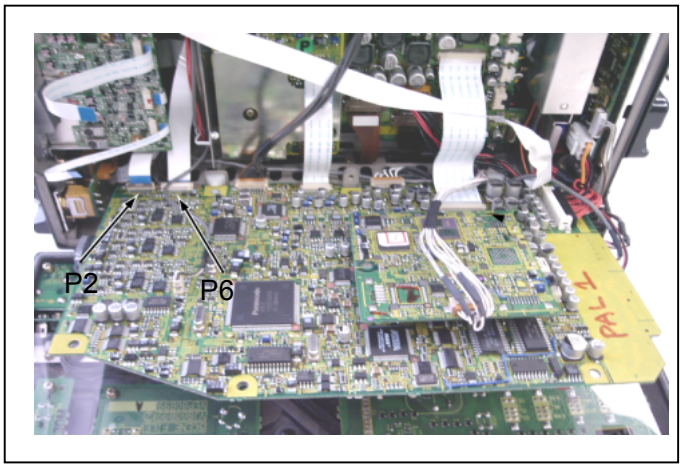


2. Unscrew the 4 screws (H) and remove the Mechanical Unit.

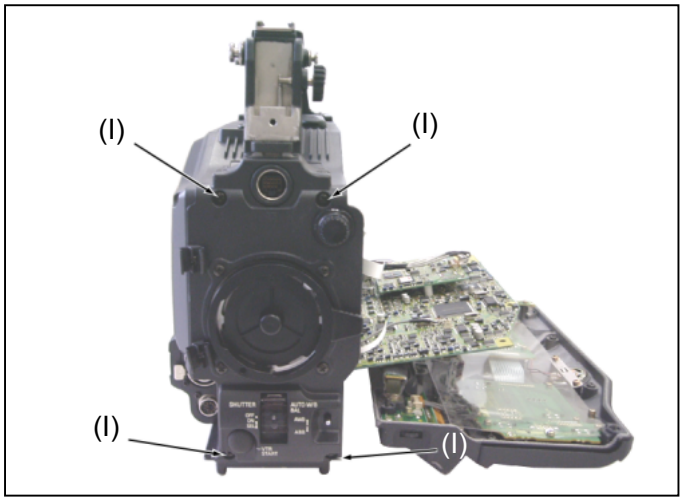


2-7. Removal of Camera Unit

1. Disconnect the connector (P2, P6).



2. Unscrew the 4 screws (I) and remove the Camera Unit.



3. Disconnect the connector (P4) and remove the Camera Unit.

Note : Assemble procedures are reverse of the disassembly procedures.

SECTION 3

MECHANICAL ADJUSTMENTS

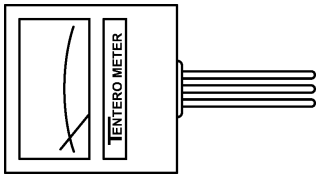
CONTENTS

1. Servicing Fixtures & Tools MEC-1
2. Alignment Tape MEC-4
   2-1. VFM3580KL (NTSC) (25 M adjustment tape) MEC-4
   2-2. VFM3581KL (NTSC) (Manufacturer (LISTA) adjustment tape) MEC-4
   2-3. VFM3582KL (NTSC) (Manufacturer (X-value) adjustment tape) MEC-4
3. List of Recommended Measuring Instruments MEC-5
4. Maintenance MEC-6
   4-1. Maintenance Schedule MEC-6
   4-2. Layout of the Maintenance Parts MEC-7
   4-3. Layout of the Other Parts MEC-7
5. Emergency Eject MEC-8
6. Cleaning Method MEC-9
   6-1. Cleaning video heads MEC-9
   6-2. Cleaning drum lead MEC-9
   6-3. Cleaning pinch roller and capstan MEC-9
   6-4. Cleaning posts MEC-9
7. Mechanism MEC-10
   7-1. Mechanical Adjustment Procedures MEC-10
   7-2. Table of difference between DVCPRO MECHANISM Version 2 and AJ-D410AP manual for Mechanical Adjustment MEC-10
   7-3. Table of difference between DVCPRO MECHANISM Version 2 and AJ-D410AP manual for Major Mechanical Parts Replacement MEC-11
   7-4. AJ-D410AP : Table of Test Point MEC-12
   7-5. Service Menu for Mechanism MEC-13
   7-6. LISTA Connection and Boot Up MEC-15

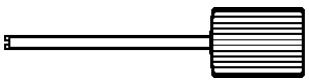
1. SERVICING FIXTURES & TOOLS

NO	NEW	PART NO.	FIXTURE & TOOL NAME	REMARKS
1		VFK1145A	Back Tension Meter	
2		VFK1149A	Post Driver	
3		VFK71A	Dial Torque Gauge (1.5 cN·m)	150 g
4		VFK1191A	Dial Torque Gauge (0.45 cN·m)	45 g
5		VFK1152	Dial Torque Gauge Adapter	
6		VFK0357	Eccentric Screwdriver (1.5 mm)	
7		VFK1154	Post Height Fixture	
8		VFK1348	Mech. Neutral Plate	
9		VFK1155	REV Position Tool (silver)	
10		VFK1156	PLAY Position Tool (black)	
11		VFK1208	Neutral Position Tool (black with hole)	
12		VFK1150	Nut Driver (5.5 mm)	
13		VFK1151	Nut Driver (2.5 mm)	
14		VFK1188A	Dial Tension Gauge	
15		VFK0948A	Check Light	
16		VFK0749	Froiral Grease (white)	for plastics part
17		MOR265	Morlytone Grease (black)	for metal part
18		VFK1146	Philips Driver (Fine) (00-75)	
19		VFK1147	Philips Driver (Fine) (00-100)	
20		VFK1148	Hex. Driver (1.5 mm)	
21		VFK1178	Hex. Driver (0.89 mm)	
22		VFK1179	Hex. Driver (0.71 mm)	
23		VFK1190	Hex. Wrench	
24		VFK1209A	Torque Driver (4 cN·m-30 cN·m)	0.4 kgf·cm –3 kgf·cm
25		VFK1375	Post Axis Driver (1.5 mm)	
26		VFK1300	A/D Board (DAQ-12 Quatech)	
27		VFM3580KL	DVCPRO Alignment Tape (No.1) for NTSC	
28		VFM3581KL	DVCPRO Alignment Tape (No.2) for NTSC	
29		VFM3582KL	DVCPRO Alignment Tape (No.3) for NTSC	
30		VFK1409S	Measuring Board	
31		VFK1590	C PLD Writer	
32		AJ-CL12MP	Cleaning Tape	SALES Route
33		VFK1423	Tape Beg./End Detection Cassette	
34		VFK1481B	LISTA Software	
35		VFK1186	LISTA Cable	
36		VFK0906	Lubrication Oil	
37		VZZ0095	Cleaning Cloth	

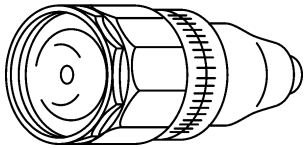
1 **VFK1145A**
Back Tension Meter



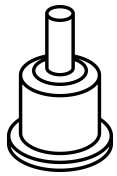
2 **VFK1149A**
Post Driver



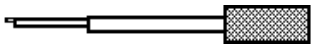
3 **VFK71A**
4 **VFK1191A**
Dial Torque Gauge



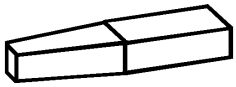
5 **VFK1152**
Dial Torque Gauge Adapter



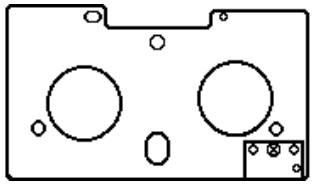
6 **VFK0357**
Eccentric Screwdriver (1.5 mm)



7 **VFK1154**
Post Height Fixture



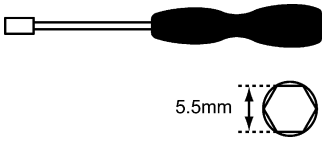
8 **VFK1153**
Mech. Neutral Plate



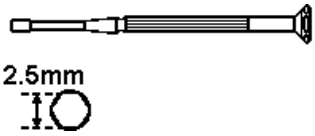
9 **VFK1155** **(REV/Silver)**
10 **VFK1156** **(PLAY/Black)**
11 **VFK1208**
(Neutral/Black with hole)
Position Tool



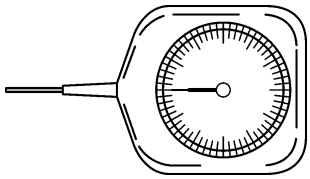
12 **VFK1150**
Nut Driver (5.5 mm)



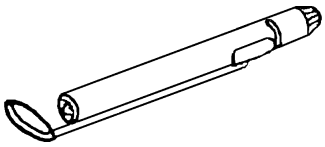
13 **VFK1151**
Nut Driver (2.5 mm)



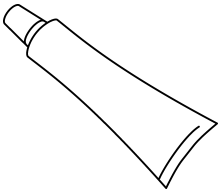
14 **VFK1188A**
Dial Tension Gauge



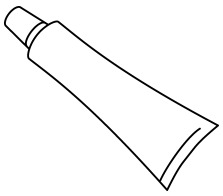
15 **VFK0948A**
Check Light



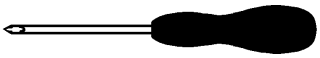
16 **VFK0749**
Froiral Grease (for plastics)



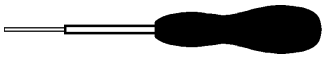
17 **MOR265**
Morlytone Grease (for metal)



18 **VFK1146 (00X75)**
19 **VFK1147 (0X100)**
Philips Driver (Fine)



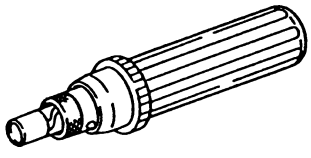
20 **VFK1148 (1.5 mm)**
21 **VFK1178 (0.89 mm)**
22 **VFK1179 (0.71 mm)**
Hex. Driver



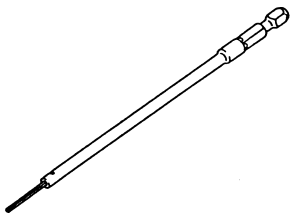
23 **VFK1190 (1.5 mm)**
Hex. Wrench



24 **VFK1209A**
Torque Driver



25 **VFK1375**
Post Axis Driver (1.5 mm)



26 **VFK1300**
A/D Board (Quatech DAQ-12)

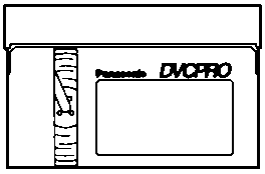


27 **VFM3580KL**

28 **VFM3581KL**

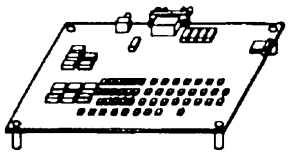
29 **VFM3582KL**

DVCPRO
Alignment Tape



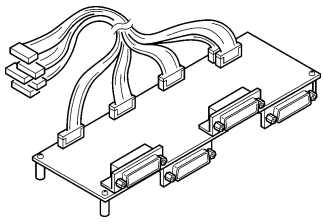
30 **VFK1409S**

Measuring Board



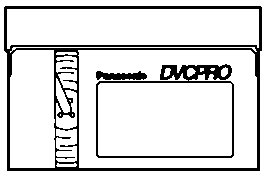
31 **VFK1590**

C PLD Writer



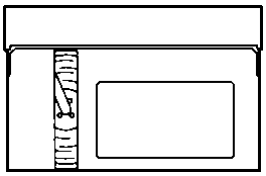
32 **AJ-CL12MP**

Cleaning Tape



33 **VFK1423**

Tape Beg./End
Detection Cassette

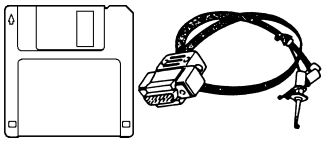


34 **VFK1481B**

LISTA Software

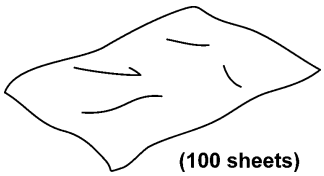
35 **VFK1186**

LISTA Cable



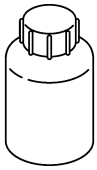
36 **VZZ0095**

Cleaning Cloth



37 **VFK0906**

Lubrication Oil



2. Alignment Tape

2-1. VFM3580KL (NTSC) (25 M adjustment tape)

TIME	VIDEO		PCM AUDIO		CUE	
(min.)	Signal	Purpose	Signal	Purpose	Signal	Purpose
0:00	Color bar SMPTE(75%)	Confirmation of the composite video level	1KHz –20dB	Confirmation of the audio level	1KHz 0VU	Confirmation of the cue level
7:00	Color bar (100%)	Confirmation of the composite video level				
14:00	H sweep	Frequency characteristic			6KHz 0VU	A/C head azimuth adjustment
18:00	Bow tie (500K)	Y/C timing				
22:00	Pulse & bar	Y/C timing			300, 500, 1K 2K, 4K, 6KHz	Frequency characteristic
26:00	Area marker	Video start timing			-----	-----

2-2. VFM3581KL (NTSC) (Manufacturer (LISTA) adjustment tape)

TIME	VIDEO		PCM AUDIO		CUE	
(min.)	Signal	Purpose	Signal	Purpose	Signal	Purpose
0:00	ITI pattern	Linearity adjustment	-----	-----	-----	-----

2-3. VFM3582KL (NTSC) (Manufacturer (X-value) adjustment tape)

TIME	VIDEO		PCM AUDIO		CUE	
(min.)	Signal	Purpose	Signal	Purpose	Signal	Purpose
0:00	Color bar (75%) (with drop-out track)	X-value adjustment	-----	-----	6KHz 10VU	X-value adjustment

3. List of Recommended Measuring Instruments

MODEL NO. (Example)	NAME	REMARK
TSG1910 (NTSC)	NTSC analog composite signal generator (with CF OUT)	Tectronix
1760 (op. SC) or 1780R	SCH meter (NTSC)	
	Waveform monitor (NTSC)	
	Vector scope (NTSC)	
	Oscilloscope	
	Digital voltmeter (D.V.M.)	
	Frequency counter	
	Halogen Lump	
	Lux Meter	
	Color Pyrometer	

4. Maintenance

4-1. Maintenance Schedule

Maintenance is done by periodically performing suitable maintenance servicing in order to maintain the functions always in the best condition, so that the user can use the equipment safely. Video equipment with mounted mechanisms use wear parts, and their wear and deterioration causes troubles. Dust and dirt also can impair stable operation. For this reason it is important not to just perform repair at the time of trouble, but also to perform suitable maintenance at regular intervals.

	Part name	Part No.	Hours of use (unit: hours)						
			1000H	2000H	4000H	6000H	8000H	10,000H	12,000H
-	Cleaning of the travel system	-----	C: Every 500 hours						
-	Mechanical chassis unit	VXY1650							R
1	Cylinder Unit	VEG1499		R	R	R	R	R	IM
2	Pinch Arm Unit	VXL2835C	R,Y,G	R,Y,G	R,Y,G	R,Y,G	R,Y,G	R,Y,G	IM
3	Cleaning Arm Unit	VXL3027C	R, Y	R, Y	R, Y	R, Y	R, Y	R, Y	IM
4	S-Reel Motor Unit	VEM0658				R			IM
5	T-Reel Motor Unit	VEM0659				R			IM
6	Thrust Screw Unit	VXQ0556				R,L			IM
7	S1 Loading Arm Unit	VXL2709							IM
8	T1 Boat Unit	VXA6378							IM
9	S5 Post Base Unit	VXA6052							IM
10	Tension Arm Unit	VXL2831							IM
11	S Cassette Brake Arm	VXL3062				R			IM
12	T Cassette Brake Arm	VXL3063				R			IM
13	Mode Switch Unit	VES0918C				R			IM
14	A/C Head	VED0419							IM
15	Loading Motor (1) A Unit	VEM0645C							IM
16	Pinch Solenoid	VSJ0227							IM
17	S Brake Solenoid	VSJ0216							IM
18	T Brake Solenoid	VSJ0216							IM
19	L Switch Base B Unit	VXA6254							IM
20	Cleaner Solenoid	VXA6078C							IM
21	Main Cam Gear	VDG1168							IM
22	Cassette Up Unit	VXA7343							IM

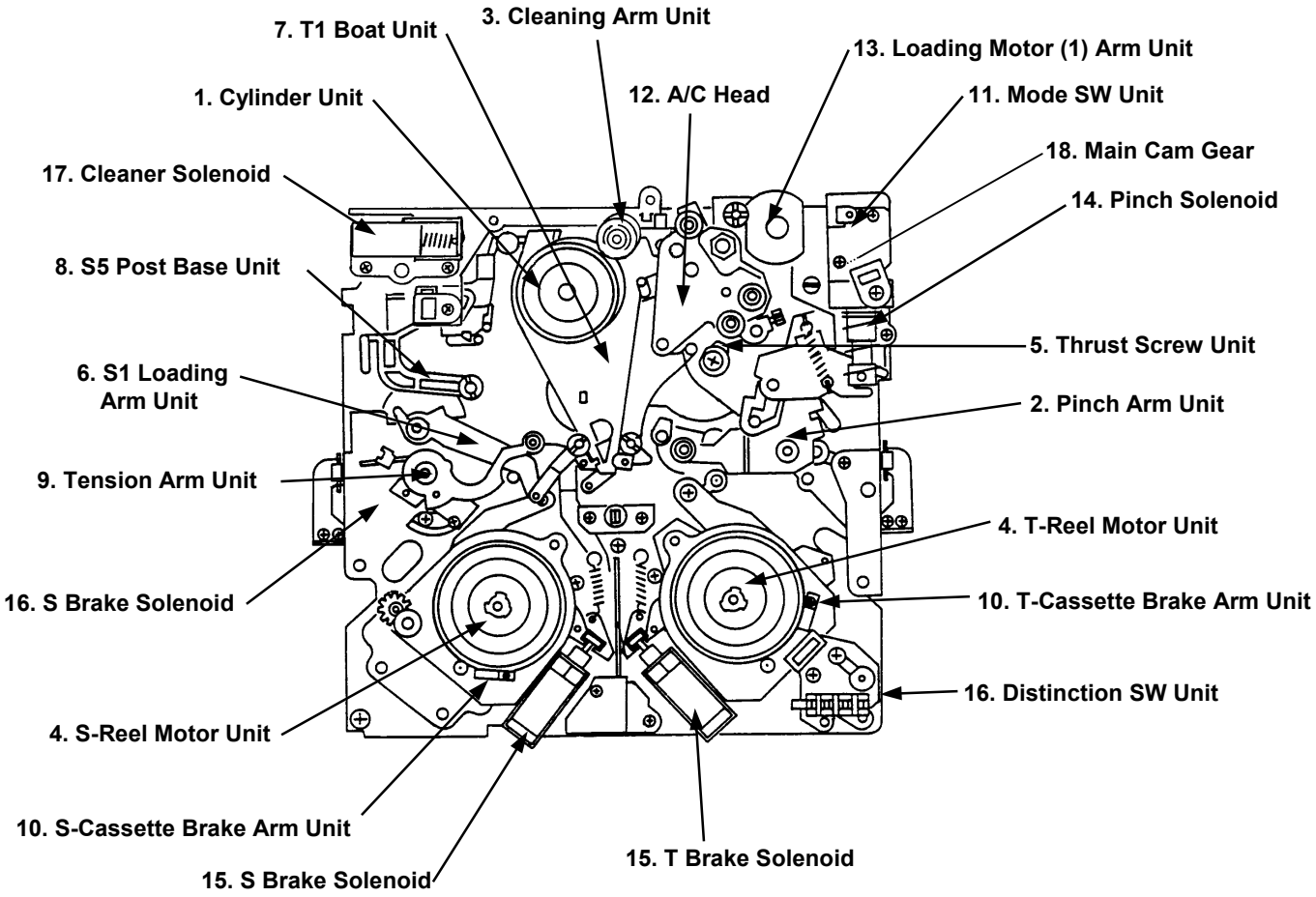
Replacement of the mechanical chassis unit is recommended for the 12,000 h maintenance.

C : Perform cleaning.
R : Assembly subject to exchange.
Y : The timing of replacement with Cleaning Arm Unit, either 1000 hours or 1 year as timing come earlier.
G : At the time of exchange, wipe off the old grease and apply new grease. (Morlytone grease)
L : Lubrication is necessary.
IM : Included in the mechanical chassis unit. When the mechanical chassis unit is not exchanged, exchange as a single part is required.
F : Included in the front-loading unit.

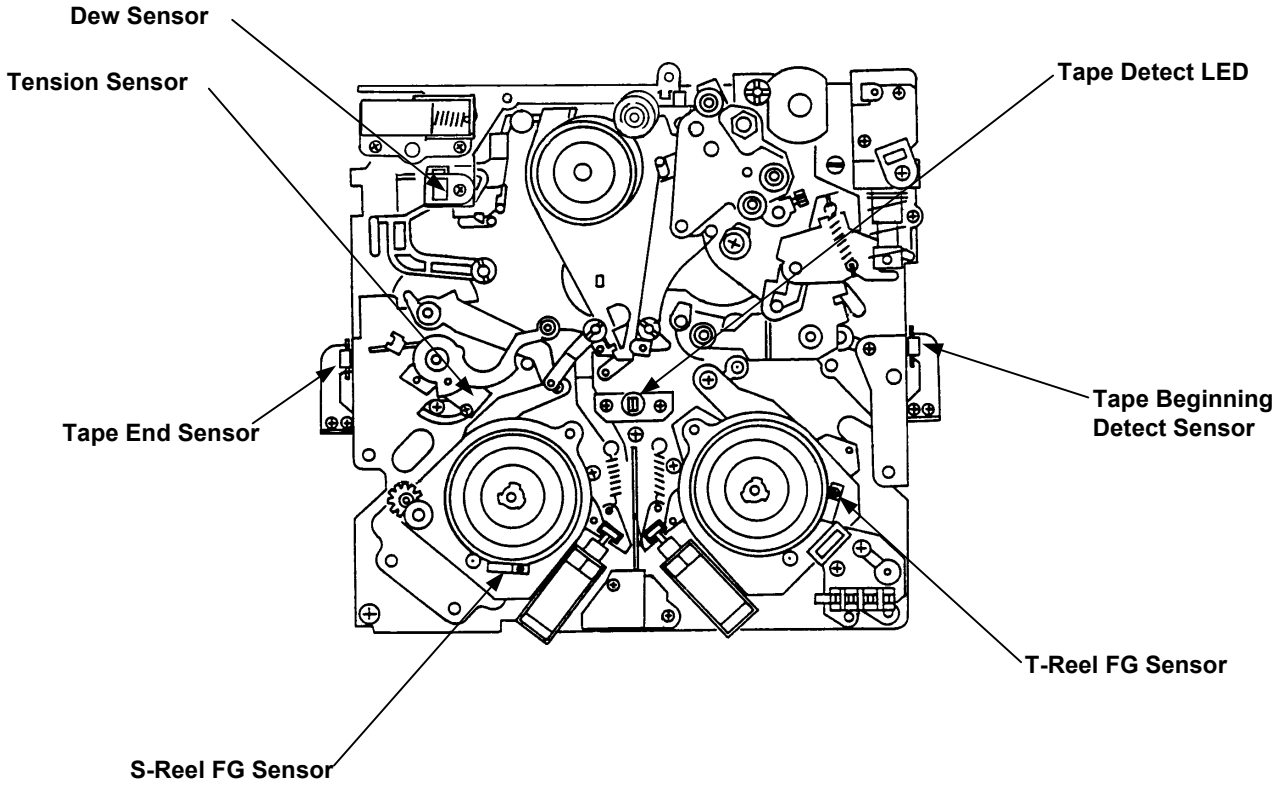
<Note:>

The Hours of use indicates the cylinder rotation time (DRUM RUN).
The maintenance execution time shown in the chart is recommendation for standard maintenance execution. This is not the life of the various parts. The life is influenced by temperature, humidity, dust, etc.
Please refer to the most recent execution outline, as the maintenance specifications and the part numbers may change.

4-2. Layout of the Maintenance Parts



4-3. Layout of the Other Parts



5. Emergency Eject

In the event that a cassette is not ejected by pressing EJECT button, take the following Emergency Eject procedures.

1. Turn OFF the power.
2. Remove the rubber cap and insert a Phillips Screwdriver to the cross-shaped recess of the EMERGENCY screw (red) as shown in the figure below:



3. While pushing the EMERGENCY screw with the screwdriver, turn the screw counterclockwise until the cassette is ejected.
   - The screw must be turned about 20 turns before the tape unloading begins.
   - The screw must be turned about 90 turns from the beginning of the tape unloading to the cassette eject.
4. Take out the cassette.
5. Attach the rubber cap again.

<Caution>

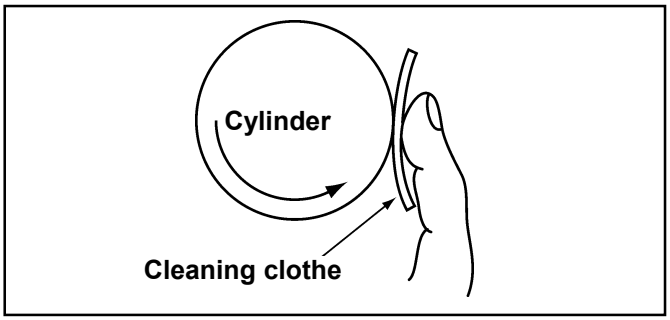
- Do not turn the EMERGENCY screw except in emergency.
- Do not turn the EMERGENCY screw clockwise. Also, do not turn the screw farther after the cassette has been ejected. Otherwise, the mechanism may be broken down.
- After the cassette has been ejected, the cassette holder can not be locked even if it is pushed to close. Turn on the power to reset the action of the mechanism, and then close the cassette holder.
- Click sounds occur during the time when the EMERGENCY screw is turned. These sounds occur while the reel is driven and they are not abnormal.

6. Cleaning Method

Cautions: Turn off the power while doing cleaning.
As a cleaning liquid use ethanol (99% or more).

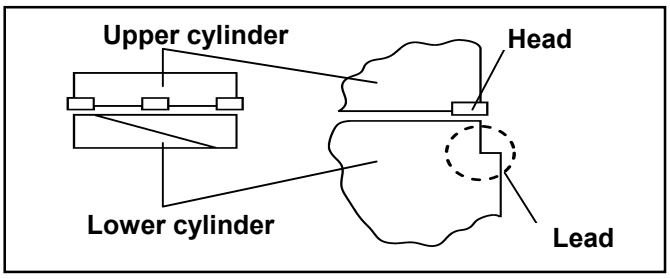
6-1. Cleaning video heads

Lightly press a cleaning cloth damped with a cleaning liquid onto the cylinder, and rotate the cylinder counterclockwise. Repeat this several times until no more dirt sticks to the cleaning cloth. Finally, wipe the cylinder with a new dry cleaning cloth. Do not touch the cylinder with bare hands.



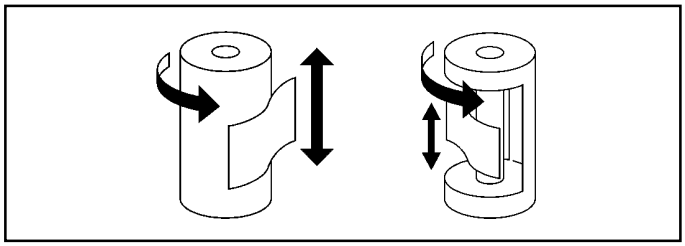
6-2. Cleaning drum lead

Remove the dust stuck to the drum lead with something like a tooth pick.
Do not hit the video head tips with the tooth pick or the like.



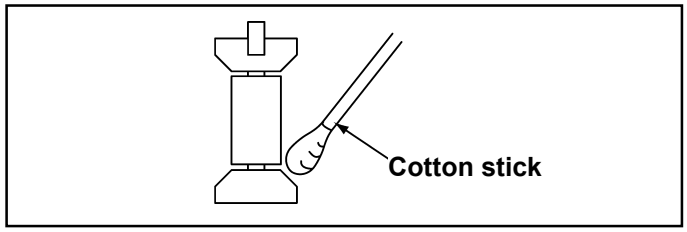
6-3. Cleaning pinch roller and capstan

Wipe the pinch roller and capstan with a cloth damped with a cleaning liquid.



6-4. Cleaning posts

Wind a dry cleaning cloth round a thin stick and wipe the posts with the stick. As far as the fixed posts are concerned, at first wipe them with a cleaning cloth damped with a cleaning liquid, and then wipe with a dry cleaning cloth.



7. Mechanism

7-1. Mechanical Adjustment Procedures

This section shows difference between AJ-D410AP and ”Service Manual DVCPRO MECHANISM [Version 2] . Refer to ”Service Manual DVCPRO MECHANISM [Version 2] "Order No. BSD01303M901".

7-2. Table of difference between DVCPRO MECHANISM Version 2 and AJ-D410AP manual for Mechanical Adjustment.

Adjustment	DVCPRO MECHANISM	AJ-D410AP	TYPE
1. Name of Tape Transportation	3-1	-	
2. Table of Test Point	-	MEC-12	AJ-D410A “Table of Test Point"
3. Mechanical Adjustment Procedures	3-14	-	
3-1. Post Height Pre-adjustment	3-14	-	
3-2. Tension Adjustment Flowchart	3-14	-	
3-3. Tension Arm Offset Adjustment	3-15	-	
3-4. Tension Arm Neutral Position Adjustment	3-15	-	
3-5. Tension Arm PLAY and REV Voltage Adjustment and Confirmation	3-16	-	
3-6. Tension Regulator Spring Adjustment	3-16	-	
3-7. REV Tension Confirmation	3-17	-	
3-8. Tension Confirmation	3-18	-	
3-9. Photo Sensor Voltage Adjustment	3-19	-	Use the model of the C-type category.
3-10. Tape Path Adjustment Procedure	3-20	-	
3-11. Envelope Waveform Adjustment	3-21	-	Use the model of the B-type category.
3-12. Post Limit Confirmation (PLAY)	3-22	-	
3-13. A/C Head Adjustment Method (General)	3-23	-	
3-14. A/C Head Tilt Adjustment	3-25	-	
3-15. A/C Head Height Adjustment	3-25	-	Use the model of the B-type category.
3-16. A/C Head Tilt Confirmation	3-26	-	
3-17. A/C Head Height Confirmation	3-27	-	Use the model of the B-type category.
3-18. A/C Head Azimuth and X-value Adjustment (25M)	3-28	-	Use the model of the B-type category.
3-19. REV Tape Path Confirmation and Adjustment (T4 Post Height Adjustment)	3-32	-	Use the model of the B-type category.
3-20. REV (-1) Mode Setting Procedure	3-33	-	Mode setting Method 1.Set the SERVICE MENU 2.Set the VTR OPERATION mode 3.Press [SEARCH] and [REW] button at the same time.
3-21. CTL Self Recording Level Confirmation	3-34	-	
3-22. Play Tape Path Limit Confirmation	3-35	-	Use the model of the B-type category.
3-23. Confirmation of Envelope on REV, REW and FF mode	3-35	-	Use the model of the A-type category.
3-24. Confirmation of Play Start Envelope	3-36	-	Use the model of the A-type category.
3-25. REV mode Tape Path Limit Confirmation	3-37	-	
3-26. FF, REW mode Tape Path Limit Confirmation	3-37	-	
3-27. Screw Lock Tight of A/C Head and T3, T4 Post	3-37	-	
3-28. Confirmation of Tape Damage for Long Tape Playback	3-38	-	Use the model of the J-type category.

3-29. LISTA Adjustment Procedure	3-39	-	
3-30. LISTA Connection and Boot Up	-	MEC-15	
3-31. How to Entry the Attachment Data of Alignment Tape	3-46	-	
3-32. LISTA Sensitivity Adjustment and Sensitivity Detection	3-47	-	Use the model of the K-type category.
3-33. LISTA Linearity Adjustment and Waving Measurement	3-53	-	Use the model of the K-type category.
3-34. Self-REC/PLAY Envelope Waveform Confirmation	3-56	-	Refer to “Service menu” of AJ-D410A
4. No Tape Loading Method	-	MEC-16	Refer to “Service menu” of AJ-D410A

7-3. Table of difference between DVCPRO MECHANISM Version 2 and AJ-D410AP manual for Major Mechanical Parts Replacement.

Adjustment	DVCPRO MECHANISM	AJ-D410AP	TYPE
SECTION5			
1. Major Mechanical Parts Replacement & Adjustment Procedures	5-1	-	
1-1. Cylinder Unit Replacement	5-1	-	Connector (A) :P513, P.C.Board (B) :RF&SERVO
1-2. Cleaning Arm Unit Replacement	5-2	-	
1-3. T1 Guide Position Adjustment	5-2	-	
1-4. Adjustment Flow Chart After Cylinder Unit Replacement	5-3	-	
1-5. Supply & Take-up Reel Rotor Unit Replacement (In case of type E and G models)	5-6	-	
1-6. Main Brake Torque Confirmation	5-7	-	
1-10. Pinch Solenoid Replacement	5-10	-	Connector (A) :P510, P.C.Board (B) :RF&SERVO
1-11. Pinch Solenoid Position Adjustment	5-10	-	
1-12. Pinch Arm Unit Replacement	5-11	-	
1-13. Loading Motor Replacement	5-11	-	Connector (A) :P511, P.C.Board (B) :RF&SERVO
1-14. Mode SW Unit Replacement	5-12	-	Connector (A) :P512, P.C.Board (B) :RF&SERVO
1-15. Main Cam Gear Replacement	5-12	-	
1-16. Thrust Screw Replacement and Adjustment	5-13	-	
1-17. S5 Post Base Unit Replacement	5-13	-	
1-18. Tension Arm Unit Replacement	5-14	-	
1-19. S1 Post Loading Arm Unit Replacement & Adjustment	5-15	-	
1-20. T1 Boat Unit Replacement	5-16	-	
1-21. T1 Loading Arm Unit Replacement & Adjustment	5-18	-	
1-23. A/C head Replacement & Adjustment	5-19	-	Connector (A) :P1005, P.C.Board (B) :CUE
1-24. Cleaner Solenoid Replacement & Adjustment	5-21	-	Connector (A) :P518, P.C.Board (B) :RF&SERVO
1-26. MIC Base Unit Replacement (Type C,D,E & G models only)	5-23	-	
1-31. T4 Post Position Adjustment	5-26	-	

7-4. AJ-D410AP : Table of Test Point

<Table of Test Point>

Name		Model Applied AJ-D410AP
[Reel Torque Adjustment]		
S-Side	Reel Voltage	RF SERVO : TP300
	Adjust Point	RF SERVO : VR300
T-Side	Reel Voltage	RF SERVO : TP301
	Adjust Point	RF SERVO : VR301
GND		RF SERVO : TP302
[Tension Arm Adjustment]		
TENSION		RF SERVO : TP400
TENSION OFFSET		RF SERVO : VR400
TENSION GAIN		RF SERVO : VR401
[Photo Sensor Voltage Adjustment]		
S-Side	Sensor Voltage	RF SERVO : TP601 or SERVICE MENU "S PHOTO"
	Adjust Point	RF SERVO : VR601
T-Side	Sensor Voltage	RF SERVO : TP600 or SERVICE MENU "T PHOTO"
	Adjust Point	RF SERVO : VR600
[Tape Path, A/C Head Adjustment]		
R/P-ENV		H/R AMP : TP301 or MAIN : TP1
R/P-HSW		RF SERVO : TP501
LIVE-CTL		RF SERVO : TP950
CUE		CUE : TP1004 or MAIN : TP4302
[PG Shifter Adjustment]		
TSR		RF SERVO : TP502
PG SHIFT		* Select the EVR on the SERVICE MENU. (Refer to following table)
[LISTA Adjustment]		
ATF ERR		VFK1409S TP HID1
TRG R/P-HSW		RF SERVO P.C.B. : TP501 VFK1409S : TP HID1
ATF GAIN		* SERVICE MENU bellow. (As shown bellow)
GND		Refer to Note2

[SERVICE MENU for Adjustment]

Adjustment name	Service Menu	
T REEL TORQUE Adjustment	“T TORQUE”	
S REEL TORQUE Adjustment	“S TORQUE”	
Photo Sensor Voltage Adjustment	“T/S PHOTO”	
A/C Head Azimuth Adjustment	“X VALUE SET”	
A/C Head X-value Adjustment	“X VALUE SET” and “X VALUE ADJ”	
PG SHIFT Adjustment	“PG SHIFT”	
LISTA R/P Sensitivity Adjustment	“RP GAIN”	
LISTA Linearity Adjustment	“RP LIN”	
Envelope Waveform Confirmation	“SERVO MODE” and “TRK VAL”	

Note :

1. Refer to Service Menu (INF-1) in the Service Information.
2. In LISTA adjustment, the power GND of the EVR jig and the GND of the mechanism should be connected.
3. Adjust and confirmation an X value by ATF playback mode (R/P).

7-5. Service Menu for Mechanism

```
    VTR SERVICE 2/2
  *T TORQUE          :      0
   S TORQUE          :      0
   PG SHIFT
       HSW_A_RISE    :  1025
       HSW_A_FALL    :  1025
   RP GAIN           :  -020
   RP LIN            :  OFF
   T/S PHOTO         : T*.*V/S*.*V
   SERVO MODE        :  ATF
   TRK VAL           :  +000
   X VALUE SET       :  OFF
   X VALUE ADJ       :  +000
```

[SERVICE MENU and ADJUSTMENT PROCEDURES]

ADJUSTMENT	SERVICE MEN	ADJUSTMENT PROCEDURE
T REEL TORQUE Adjustment	T TORQUE	① Down the carriage without a cassette. ② Select "T TORQUE" and adjust this value ③ After adjustment, select "T TORQUE".
S REEL TORQUE Adjustment	S TORQUE	① Down the carriage without a cassette. ② Select "S TORQUE" and adjust this value. ③ After adjustment, select "S TORQUE".
Photo Sensor Voltage Adjustment	T/S PHOTO	① Select "T/S PHOTO" in the EJECT condition. ② Insert the VFK1369 and measure the voltage at the test point. ③ After adjustment, select "T/S PHOTO".
A/C Head Azimuth Adjustment	X VALUE SET	① Select "X VALUE SET". "ON" will be displayed on the MENU. ② Playback the aliment tape and adjust this item. ③ After adjustment, select " X VALUE SET ".
A/C Head X-value Adjustment	VALUE SET VALUE ADJ	① Select " X VALUE SET". "ON" will be displayed on the menu. ② Select " X VALUE ADJ" in the STOP condition. "Automatic Adjustment" will be started. ③ Sops after a display value is updated. ④ Select " X VALUE SET". "OFF" will be displayed on the menu.
PG SHIFT Adjustment	PG SHIFT	① Insert the Aliment tape. ② Select "PG SHIFT" in the STOP condition. "Automatic Adjustment" will be started. ③ Sops after a display value is updated. ④ Select " PG SHIFT". "OFF" will be displayed on the menu.
LISTA R/P Sensitivity Adjustment	P GAIN	① Select "P GAIN". ② Playback Aliment Tape and adjust this item. ③ After adjustment, select "P GAIN"
LISTA Linearity Adjustment	P LIN	① Select "P LIN". "ON" will be displayed on the MENU. ② Playback Aliment Tape and adjust this item. ③ Select "P LIN". "OFF" will be displayed on the MENU.
LISTA Linearity Adjustment	SERVO MODE TRK VAL	① Select "CTL on the " SERVO MODE". (Change CTL control mode) ② Select " TRK VAL" and adjust this item. ③ After adjustment, select "TRV VAL".

Operation of Service menu

1. Set the SW position as follows;
   WHITE BAL SW : PRST
   OUTPUT SW : BARS
2. Press the MENU button so that view finder display is ON.
3. Turn the AUTO W/B BAL SW to AWB side and hold it.
4. Press the MENU button once and release.
5. Release the AUTO W/B BAL SW.
6. Press the JOG dial button three times to enter SERVICE menu.

```
→NEXT****  SERVICE  ****

  FLARE/GAMMA . .
  WHITE SHADING . .
  CAMSYS MENU . .
  VTR SERVICE 1/2 . .
  VTR SERVICE 2/2 . .
  INITIALIZE . .
  EVR DATA . .
  ERROR LOG . .
  DIF STATUS . .
  SERVICE VERSION . .
  FACTORY INITIALIZE . .
```

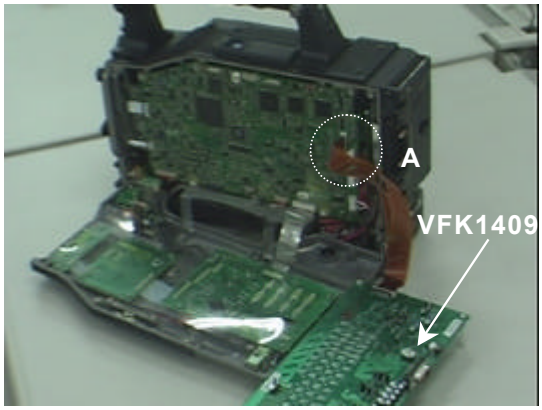
Note :

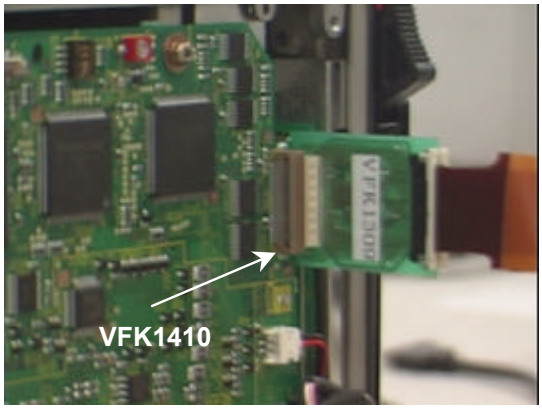
Rotate the JOG dial button to value to be changed.
Press the JOG dial button to stored the value in memory.
If turn OFF the power without colsing the SERVICE menu,
an adjustment value isn't stored.

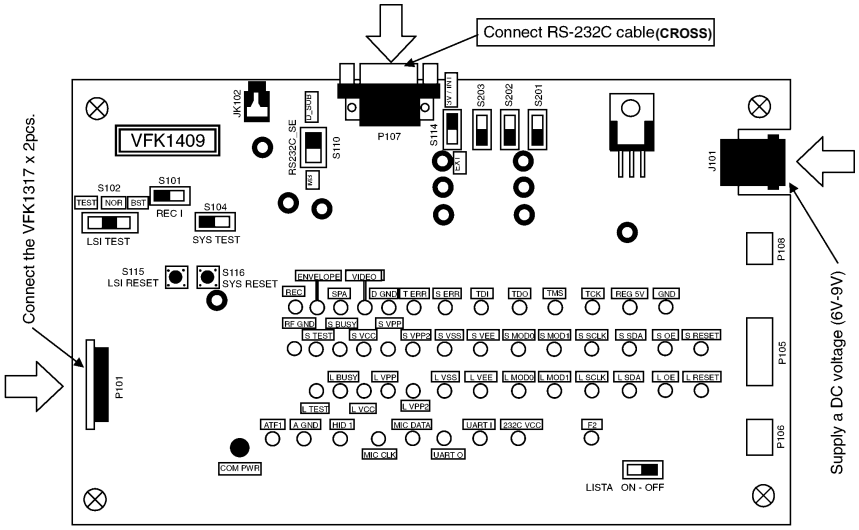
7-6. LISTA Connection and Boot Up

TAPE	VFM3581KL (LISTA)
M. EQ	Personal Computer (A/D Board should be installed.)
TOOL	VFK1481C (LISTA Software), VFK1186 (LISTA Cable), VFK1300 (A/D Converter Board), VFK1409S (Measuring Board)
TP	ATF : TP F2 (VFK1409S), HSW : TP HID1 (VFK1409S), GND : TP GND (VFK1409S)

1. Connect a PC, the Measuring Board and the AJ-D410AP as shown below.







Initial setting condition of each switch on the Measuring Board (VFK1409).

2. Connect the clips of the LISTA cable to test point on the Measuring Board. (VFK1409S) (Refer to Items **"Sensitivity Adjustment"** and **"Linearity Adjustment"**.)
3. Set the switches on the Measuring Board as shown below.

<VFK1409S>

SW REF.	NAME OF SW	SETTING POSITION
-----	LISTA ON - OFF	ON

4. Boot up the LISTA software on DOS mode

> **< How to Install and Boot Up >**
> Copy all files on the floppy disk (VFK1481C:LISTA Software) to created directly on PC (**i.e.;** C:\ LISTA).

5. After the LISTA software boot up, **<<< FORMAT SELECT >>>** display appears. Select the item **"DVCPRO"**.
6. After select the format, **<<< VTR SELECT >>>** display appears, and select the model **"AJ-D200"**.

SECTION 4

ELECTRICAL ADJUSTMENTS

CONTENTS

SYSTEM CONTROL

1-1. Real Time Clock Adjustment EAD-1
1-2. INT Frequency Adjustment EAD-1
1-3. VDDM Voltage Adjustment EAD-1

POWER

2-1. Switching Frequency Adjustment EAD-1

SERVO

3-1. T-Reel Torque Offset Adjustment EAD-2
3-2. S-Reel Torque Offset Adjustment EAD-2
3-3. Tension Offset Voltage Adjustment EAD-2
3-4. Beg./End Detect Sensitivity Adjustment EAD-2
3-5. PG Shifter Adjustment EAD-3

VIDEO

4-1. Video Out Level Adjustment (1) EAD-4
4-2. Video Out Level Adjustment (2) EAD-4
4-3. VF Out Level Adjustment EAD-5
4-4. Pb Timing Adjustment EAD-5
4-5. Pr Timing Adjustment EAD-5
4-6. Pb, Pr A/D CLAMP Level Adjustment EAD-6
4-7. Y CLAP Level Adjustment EAD-6
4-8. Y AD Input Level Adjustment EAD-7
4-9. Pb, Pr A/D CLAMP Adjustment EAD-7

CAMERA

5-1. Setting EAD-8
5-2. CAMSYS menu setting EAD-8
5-3. RAM EDITOR operation EAD-8
5-4. Initializing EAD-8
5-5. Model Setting 1 ..... EAD-9
5-6. Model Setting 2 ..... EAD-9
5-7. G ch. Input Level Adjustment EAD-10
5-8. Pre-Amp. R/B ch. Output Level Adjustment EAD-10
5-9. Pre-Amp. R/B ch. Output DC Level Adjustment EAD-10
5-10. White Clip Level Adjustment EAD-11
5-11. Pre-Amp. Output DC Level Adjustment EAD-11
5-12. Auto Adjustment: Color Temperature 3200°K EAD-12

5-13. Auto Adjustment: Color Temperature 5600°K EAD-12
5-14. Initialize EAD-13
5-15. R, B Gamma Adjustment EAD-13
5-16. White Shading Adjustment EAD-13
5-17. Pedestal Adjustment EAD-14
RF
6-1. Self-Recording RF Confirmation EAD-15
6-2. Confirmation of Interchangeability Error Rate EAD-15
AUDIO
7-1. Initial Setting EAD-16
7-2. PB Level Adjustment EAD-16
7-3. CUE PB Level Adjustment EAD-16
7-4. CUE REC Level Adjustment EAD-17
7-5. CUE REC Current Adjustment EAD-17

Electrical Adjustment

SYSTEM CONTROL

1-1. Real Time Clock Adjustment

BOARD	MAIN
TP	TP6100 (RTC CLK)
ADJ.	VC6100
MODE	EE
TAPE	-
M.EQ	Frequency Counter
SPEC.	2.048000KHz ± 0.020Hz (2.047980KHz to 2.048020KHz)

1. Adjust VC6100 so that the frequency at TP6100 is in the specification.

* Adjust in the condition that the MAIN P.C.B. was cold.

1-2. INT Frequency Adjustment

BOARD	MAIN
TP	TP8001
ADJ.	VR8283
MODE	EE
TAPE	-
M.EQ	Frequency Counter
SPEC.	28.63636KHz ± 80Hz

1. Adjust VR8283 at TP8001 so that the frequency is in the specification.

1-3. VDDM Voltage Adjustment

BOARD	MAIN
TP	TP3701(VDDM)
ADJ.	VR3701(VDDM_ADJ)
MODE	EE
TAPE	-
M.EQ	Digital Volt Meter
SPEC.	2.375V±0.02V

1. Adjust VR3701 so that the DC voltage at TP3701 is in the specification.

POWER

2-1. Switching Frequency Adjustment

BOARD	POWER
TP	TP3
ADJ.	VR2
MODE	EE
TAPE	-
M.EQ	Frequency Counter
SPEC.	119.50KHz ± 0.60KHz

1. Adjust VR2 so that the frequency at TP3 is in the specification.

* Measure 1 minute after power ON.

SERVO

3-1. T-Reel Torque Offset Adjustment

BOARD	RF&SERVO
TP	TP301,TP302(GND)
ADJ.	VR301
MODE	Service Menu
TAPE	-
M.EQ	Digital Volt Meter
SPEC.	60mV±4mV

1. Hold the cassette carriage at its down position without inserting any cassette.
2. Select VTR SERVICE 2/2.. in VTR MAIN menu using JOG dial button, and press JOG dial button.
3. Select T_TORQUE in VTR SERVICE 2/2 menu using JOG dial button, and press JOG dial button.
4. Monitoring the voltage at TP301 while locking the T-reel motor by hand, adjust VR301 so that the voltage is in the specification.
5. After finishing the adjustment, exit the Service Menu.

3-2. S-Reel Torque Offset Adjustment

BOARD	RF&SERVO
TP	TP300,TP302(GND)
ADJ.	VR300
MODE	Service Menu
TAPE	-
M.EQ	Digital Voltmeter
SPEC.	60mV±4mV

1. Hold the cassette carriage at its down position without inserting any cassette.
2. Select VTR SERVICE 2/2.. in VTR MAIN menu using JOG dial button, and press JOG dial button.
3. Select S_TORQUE in VTR SERVICE 2/2 menu using JOG dial button, and press JOG dial button.
4. Monitoring the voltage at TP300 while locking the S-reel motor by hand, adjust VR300 so that the voltage comes in the specification.
5. After finishing the adjustment, exit the Service Menu.

3-3. Tension Offset Voltage Adjustment

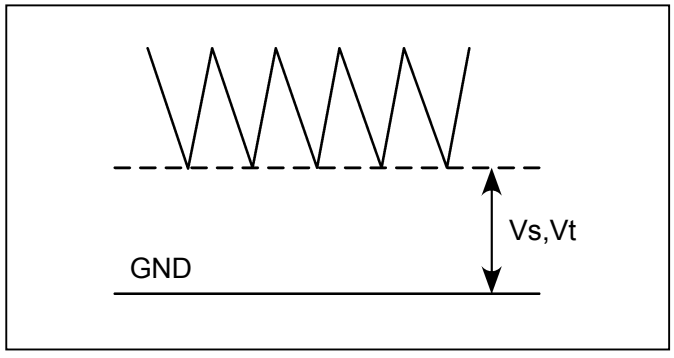
BOARD	RF&SERVO
TP	TP400(TENSION)
ADJ.	VR400
MODE	EJECT
TAPE	-
M.EQ	Digital Voltmeter
SPEC.	2.5V±0.1V

1. Adjust VR400 so that the DC voltage at TP400 is in the specification.

3-4. Beg./End Detect Sensitivity Adjustment

BOARD	RF&SERVO
TP	TP601(Vs:S PHOTO), TP600(Vt:T PHOTO)
ADJ.	VR601(Vs:S PHOTO) VR600(Vt:T PHOTO)
MODE	STOP
TAPE	VFK1369 (Tape for Beg./End Detection)
M.EQ	Oscilloscope
SPEC.	2.2V±0.6V

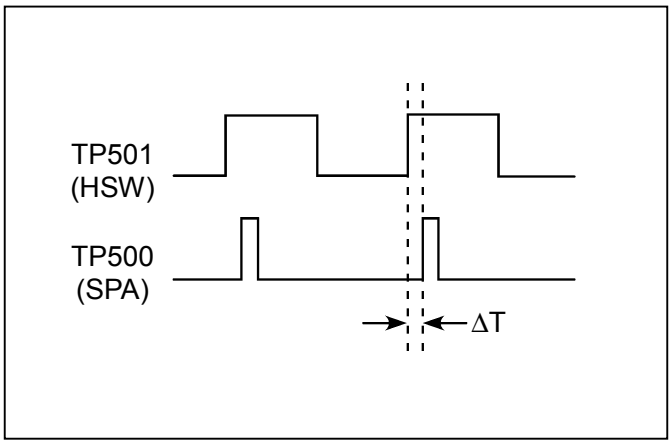
1. Select VTR SERVICE 2/2.. in VTR MAIN menu using JOG dial button, and press JOG dial button.
2. Select T/S_PHOTO in VTR SERVICE 2/2 menu using JOG dial button, and press JOG dial button.
3. Set the Tool for Tape Beg./End Detect Level Adjustment.
4. Monitoring the waveform at T/S_PHOTO menu, adjust VR600 so that the “T*.*V” is in the specification.
5. Monitoring the waveform at T/S_PHOTO menu, adjust VR601 so that the “S*.*V” is in the specification.



3-5. PG Shifter Adjustment

BOARD	RF&SERVO
TP	TP501(HSW),TP500(SPA)
ADJ.	[VTR SERVICE 2/2] PG SHIFT
MODE	STOP
TAPE	VFM3580KL (Color Bar)
M.EQ	Oscilloscope
SPEC.	ΔT=126.69±2.5μs

1. Select VTR SERVICE 2/2.. in VTR MAIN menu using JOG dial button, and press JOG dial button.
2. Select PG SHIFT in VTR SERVICE 2/2 menu using JOG dial button, and press JOG dial button.
3. Confirm that ΔT is within the specification.



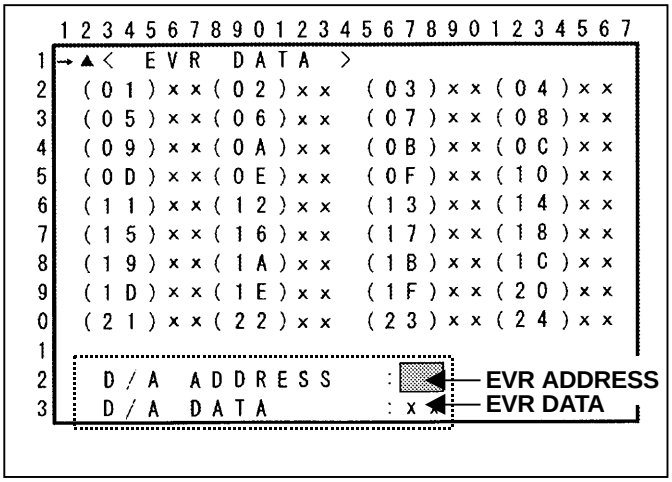
VIDEO

EVR operation

1. The operation is as follows.

D/A ADDRESS
(1) Select the D/A ADDRESS using the JOG dial button and press the JOG dial button.
(2) Change the address using the JOG dial button and press the JOG dial button.

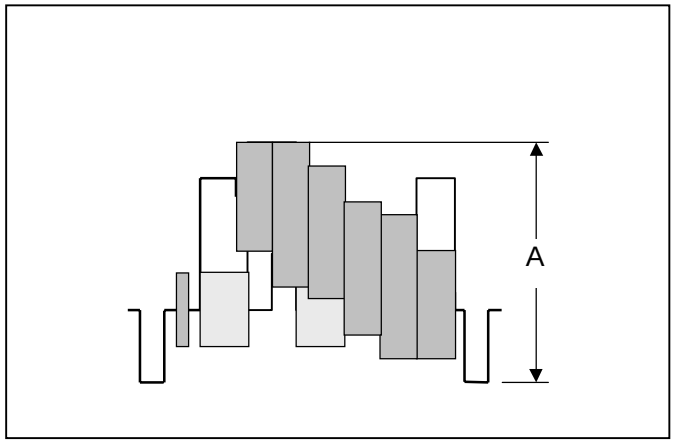
D/A DATA
(1) Select the D/A DATA using the JOG dial button and press the JOG dial button.
(2) Change the data using the JOG dial button and press the JOG dial button.



4-1. Video Out Level Adjustment (1)

BOARD	MAIN
TP	VIDEO OUT(75 ohm termination)
ADJ.	EVR [SERVICE MENU]
MODE	PLAY
TAPE	VFM3580KL (SMPT color bar)
M.EQ	WFM Monitor
SPEC	A=1.0±0.01Vp-p

1. [SERVICE MENU]
   EVR DATA..
   D/A ADDRESS:07
2. Playback the Alignment Tape and adjust D/A DATA so that the VIDEO OUT level is within the specification.

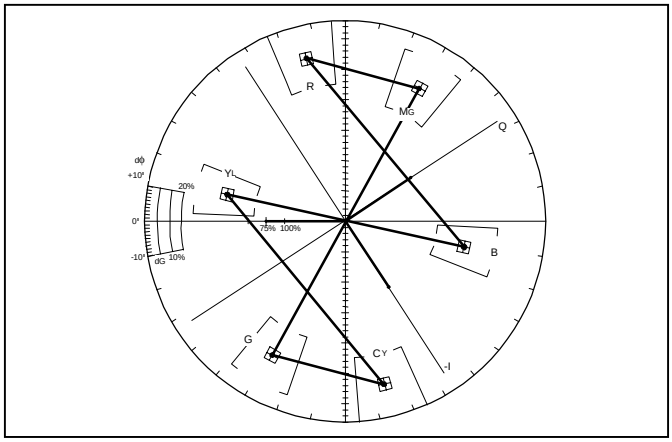


4-2. Video Out Level Adjustment (2)

BOARD	MAIN
TP	VIDEO OUT (75 ohm termination)
ADJ.	EVR [SERVICE MENU]
MODE	PLAY
TAPE	VFM3580KL (SMPT color bar 75%)
M.EQ	Vector Scope
SPEC	Shown figure

1. [SERVICE MENU]
   EVR DATA..
   D/A ADDRESS:06
2. Playback the Alignment Tape and adjust D/A DATA so that all the VIDEO OUT chroma levels come in each square frame on the Vector Scope.

<Note>
Vector Scope Setting : BARS(7.5%), SETUP(YES).

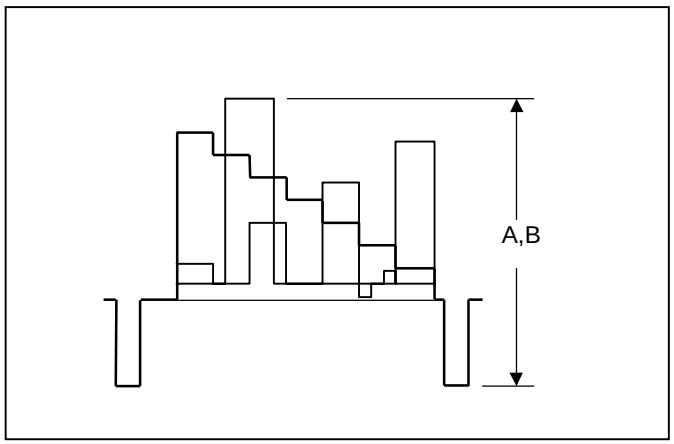


4-3. VF Out Level Adjustment

BOARD	MAIN
TP	VIDEO OUT(75ohm termination)
ADJ.	EVR [SERVICE MENU]
MODE	PLAY / EE
TAPE	VFM8530KL (SMPT color bar 75%)
M.EQ	Vector Scope
SPEC	A = 1.0 ± 0.01 Vp-p B = 1.0 ± 0.05 Vp-p

1. SW setting OUTPUT SW : BARS
2. [SERVICE MENU]
   EVR DATA..
   D/A ADDRESS:04
2. Set EE mode and adjust D/A DATA so that the level A at TP3306 is in specification.
3. Playback VFM8530KL (SMPT color bar 75%) and confirm the level B at TP3306 is within specification.

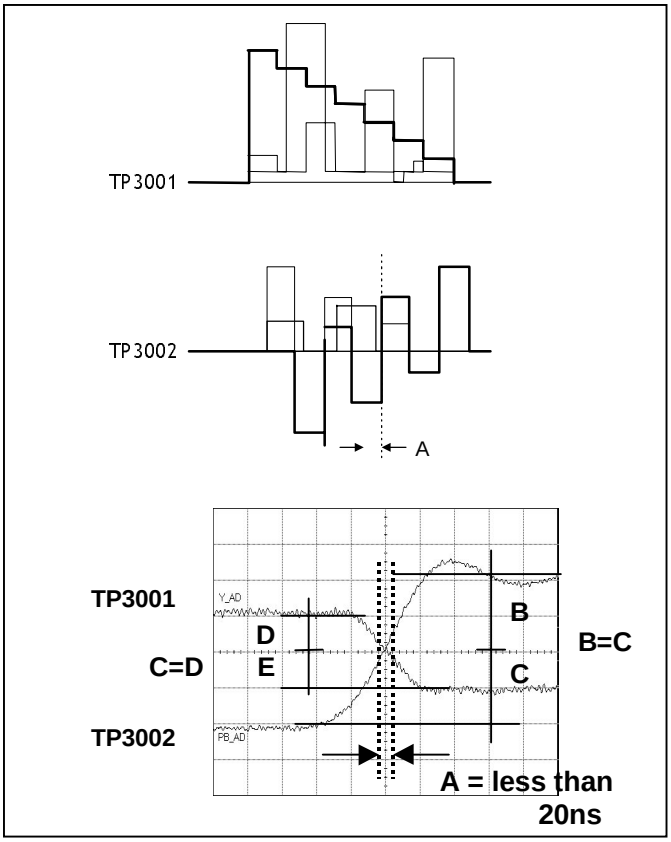
Note) Remove the View Finder.



4-4. Pb Timing Adjustment

BOARD	MAIN
TP	TP3001 [AD_Y], TP3002 [AD_PB]
ADJ.	VR3001 [PB_TMG]
MODE	EE
TAPE	-
M.EQ	Oscilloscope
SPEC	A = 0 ± 20 ns

1. SW setting OUTPUT SW : BARS
2. Expand the A position (The edge part between G and the Mg).
3. Adjust VR3001 so that Y/Pb timing A is within specification.



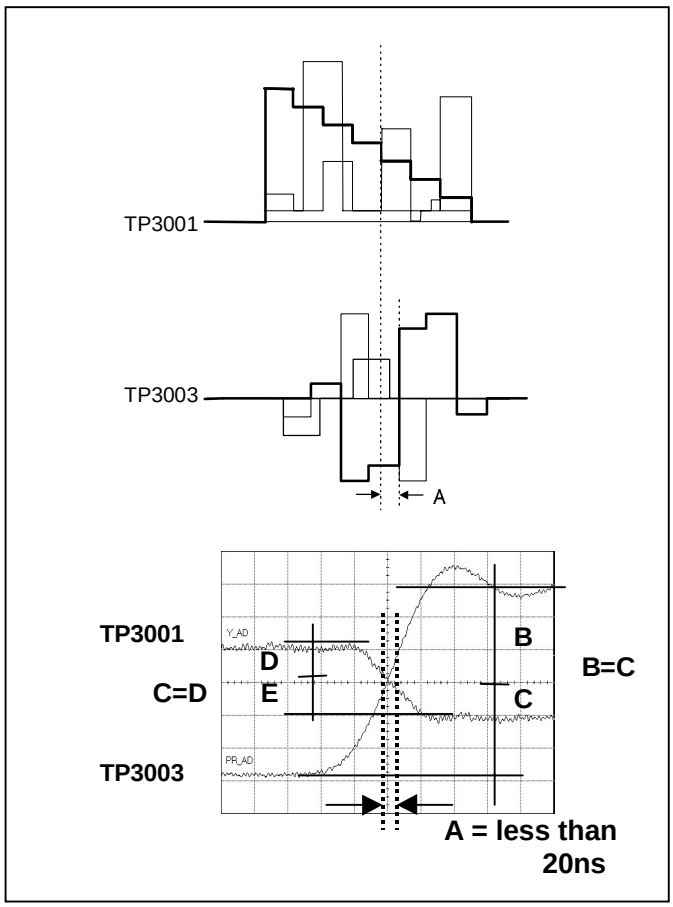
NOTE. TRIGGER : TP3414 (INH)

4-5. Pr Timing Adjustment

BOARD	MAIN
TP	TP3001 [AD_Y], TP3003 [AD_PR]
ADJ.	VR3002 [PR_TMG]
MODE	EE
TAPE	-
M.EQ	Oscilloscope
SPEC	A = 0 ± 20 ns

1. SW setting OUTPUT SW : BARS
2. Expand the A position.
   (The edge part between G and the Mg).
3. Adjust VR3002 so that Y/Pr timing A is within specification.

NOTE. TRIGGER : TP3414 (INH)



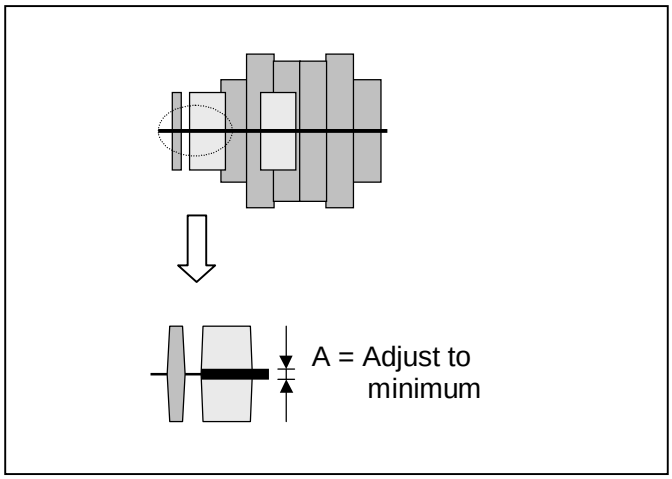
4-6. Pb, Pr A/D CLAMP level Adjustment

BOARD	MAIN
TP	VIDEO OUT (75 ohm termination)
ADJ.	EVR [SERVICE MENU]
MODE	EE
TAPE	
M.EQ	Waveform monitor
SPEC	A = Adjust to minimum.

1. SW setting OUTPUT SW : BARS
2. [SERVICE MENU]
   EVR DATA.
   D/A ADDRESS : 09(PR_CLAMP)
   D/A ADDRESS : 0A(PB_CLAMP)

3. Adjust D/A "09" and "08" alternately so that the width A at VIDEO OUT is minimum.

<Note>
Waveform monitor : FILTER (CHROM), GAIN (x5).



4-7. Y CLAP Level Adjustment

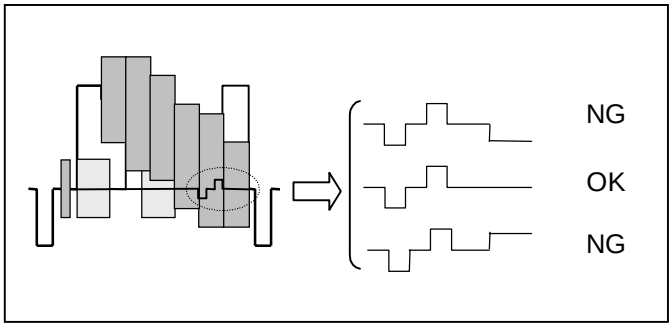
BOARD	MAIN
TP	VIDEO OUT (75ohm terminate)
ADJ.	EVR [SERVICE MENU]
MODE	EE
TAPE	
M.EQ	Waveform monitor
SPEC	A = minimum (PDSTAL level)

1. SW setting OUTPUT SW : BARS
2. [SERVICE MENU]
   EVR DATA..
   D/A ADDRESS : 0B (Y_CLAMP)

3. Adjust D/A DATA "0B" so that the width A at VIDEO OUT is minimum.

<Note>
· Waveform monitor : FILTER (CHROM), GAIN (x5).

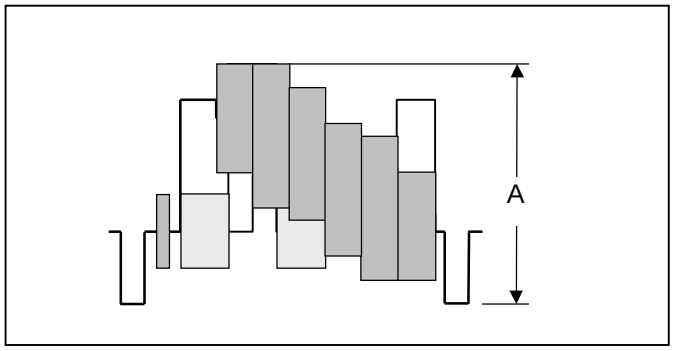
· Menu setting
VIDEO IN/OUT SETUP : 0%

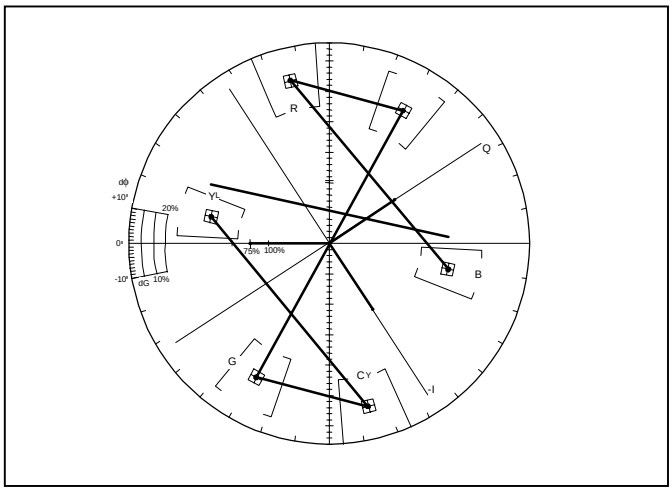


4-8. Y AD Input Level Adjustment

BOARD	MAIN
TP	VIDEO OUT (75 ohm termination)
ADJ.	VR3003 [Y_LEVEL]
MODE	EE
TAPE	-
M.EQ	Waveform monitor
SPEC	A = 1.0 ± 0.01 Vp-p

1. SW setting OUTPUT SW : BARS
2. Adjust VR3003 so that the level A at VIDEO OUT is within specification.





4-9. Pb, Pr A/D Input Level adjustment

BOARD	MAIN
TP	VFM3580KL (SMPT color bar 75%)
ADJ.	VR3004 [AD_PB], VR3005 [AD PR]
MODE	EE
TAPE	-
M.EQ	Vector Scope
SPEC	Shown figure

1. SW setting OUTPUT SW : BARS
2. Adjust VR3004 and VR3005 so that all the VIDEO OUT chroma levels come in each square frame on the Vector Scope.

<Note>

- Vector Scope Setting : BARS(7.5%),
  SETUP(YES).
- Menu setting
  VIDEO IN/OUT SETUP : 7.5%

CAMERA

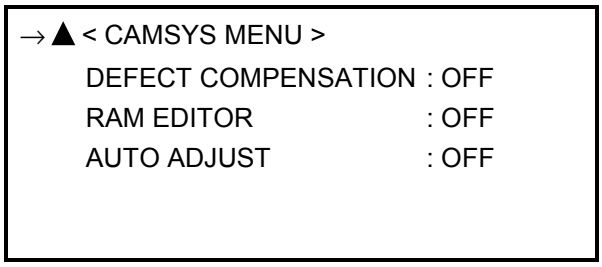
5-1. Setting

• Set the SW as follows.

GAIN : 0dBu
SCENE FILE : USER

5-2. CAMSYS menu Setting

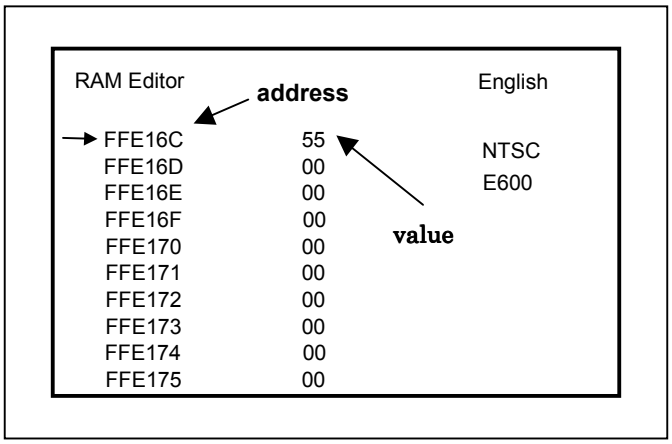
1. Select CAMSYS menu in the Service menu using JOG dial button, and press JOG dial button.
2. Select the desired item by moving cursor. Press the JOG dial button. (The "OFF" blinks)
   Turn the JOG dial button upward.



5-3. RAM EDITOR operation

1. The operation is as follows.

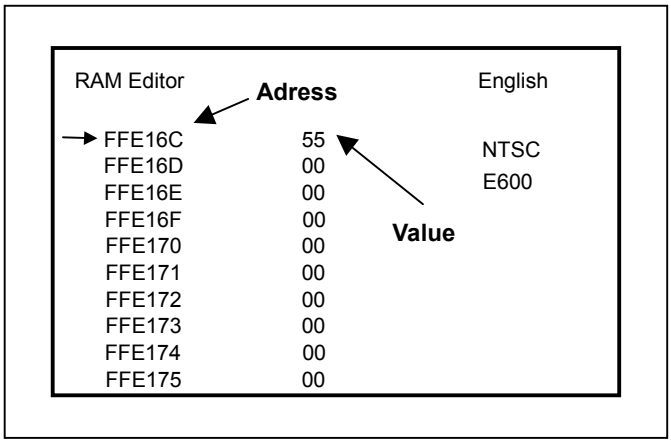
   • Address Up/Down : JOG dial button.
   • Change the setting value
   : Press the QUICK FOCUS button
   + JOG dial button.
   • Set the value : JOG dial button.



5-4. Initializing

BOARD	
M.POINT	VIDEO OUT
ADJUST	
MODE	
TAPE	
M.EQ.	Color Monitor
SPEC.	

1. Set "RAM EDITOR mode".
   * Refer to "RAM EDITOR menu operation".
2. After selecting address FFE16C and setting its value on the right to “00”, turn off power.



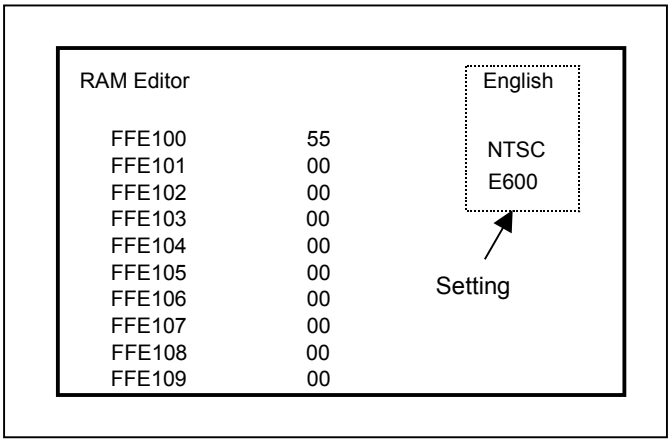
5-5. Model Setting 1

BOARD	
M.POINT	VIDEO OUT
ADJUST	
MODE	
TAPE	
M.EQ.	Color Monitor
SPEC.	

1. Set "RAM EDITOR mode".
   * Refer to "RAM EDITOR menu operation".
2. Set the dotted area as follows.

   · English
   · NTSC
   · E600

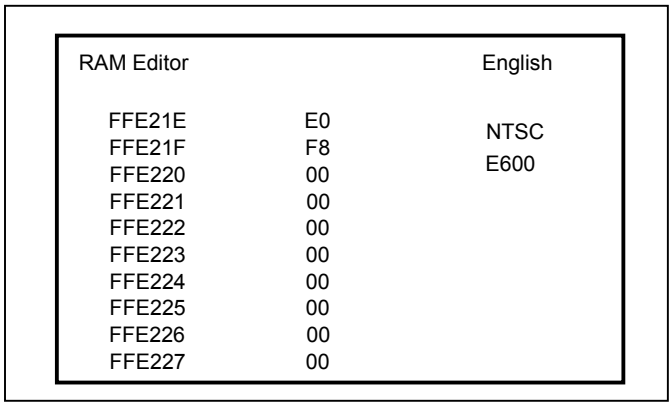
3. Turn off power.



5-6. Model Setting 2

BOARD	
M.POINT	VIDEO OUT
ADJUST	
MODE	
TAPE	
M.EQ.	Color Monitor, Vector Scope
SPEC.	714mV±15mV

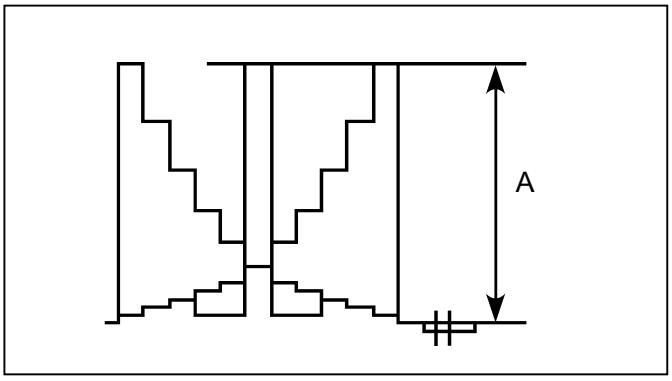
1. Set the BARS - CAM SW to CAM position.
2. Set "RAM EDITOR mode".
   * Refer to "RAM EDITOR menu operation".
3. Check to be sure that the 100% color bar signal voltage is within the specification, and if it is out of the specification, adjust the address to FF21C data.
4. Select the address FFE21F data, and adjust the color bar signal level so that the chrominance dots comes in each square frame on the vector scope. (Initial value: E0)
5. Select the address FFE21E, and adjust the color bar signal level so that the color burst level becomes 75% on the vector scope.
6. After adjustment, turn off the power.



5-7. G ch. Input Level Adjustment

BOARD	MAIN
M.POINT	TP7201
ADJUST	Lens Iris
MODE	2000Lux 3200K Gray Scale
TAPE	-
M.EQ.	Oscilloscope
SPEC.	A=300mV±5mV

1. Set a "AUTO ADJUST mode".
   Refer to *CAMSYS menu operation".
2. Adjust Lens Iris so that the voltage level at TP7201 is in the specification.

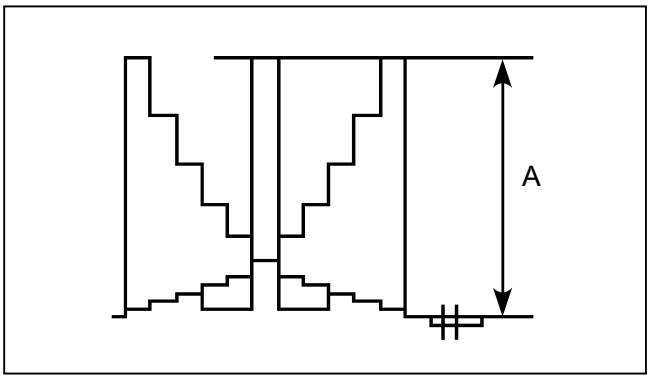


5-8. Pre-Amp. R/B ch. Output Lev el Adjustment

BOARD	PREAMP
M.POINT	TP7101,TP7301(MAIN P.C.B.)
ADJUST	R155,R555(PREAMP P.C.B.)
MODE	2000Lux 3200K Gray Scale
TAPE	-
M.EQ.	Oscilloscope
SPEC.	A=300mV±5mV

1. Adjust R555 so that the voltage level at TP7101 is in the specification.
2. Adjust R155 so that the voltage level at TP7301 is in the specification.

Note) Take note that the order of R, G, B arrangement is reversed each other between PREAMP P.C.B. and MAIN P.C.B.

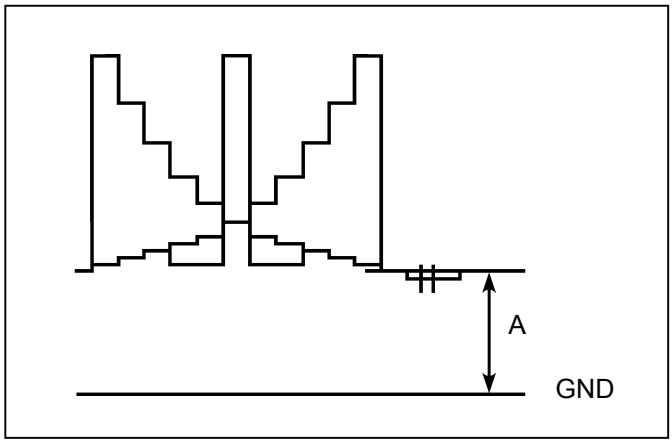


5-9. Pre-Amp. R/Bch. Output DC Level Adjustment

BOARD	PREAMP
M.POINT	TP7101(Rch), TP7201(Gch), TP7301(Bch) (MAIN P.C.B.)
ADJUST	R163,R563 (PREAMP P.C.B.)
MODE	2000Lux 3200K Gray Scale
TAPE	-
M.EQ.	Oscilloscope
SPEC.	Rch / Gch : A = 100mV±20mV Bch : A = 300mV±20mV

1. Adjust R563 so that DC level A at TP7101 is in the specification.
2. Adjust R163 so that DC level A at TP7301 comes in the specification.
3. Monitor the Pre-amp. R/Bch Output Level, and if the level is out of the specification, adjust it again, then make this DC level adjustment again, and repeat these adjustments until each level is in its specification.

Note) Take note that the order of R, G, B arrangement is reversed each other between PREAMP P.C.B. and MAIN P.C.B.

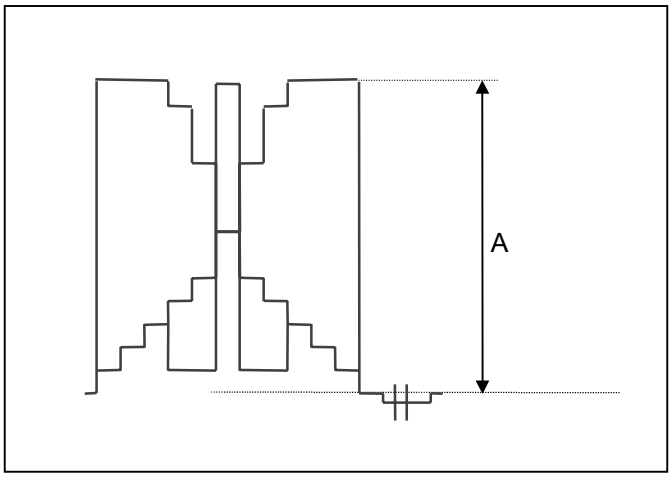


5-10. White Clip Level Adjustment

BOARD	PREAMP
M.POINT	TP7101(Rch), TP7201(Gch), TP7301(Bch) (MAIN P.C.B.)
ADJUST	R705(Rch), R701(Gch), R707(Bch) (PREAMP P.C.B.)
MODE	2000Lux 3200K Gray Scale
TAPE	-
M.EQ.	Oscilloscope
SPEC.	A=1200mV±20mV

1. Open the Iris to the full.
2. Adjust R705 so that the level A at TP7101(Rch) is in the specification.
3. Adjust R702 so that the level A at TP7201(Gch) is in the specification.
4. Adjust R707 so that the level A at TP7301(Bch) is in the specification.

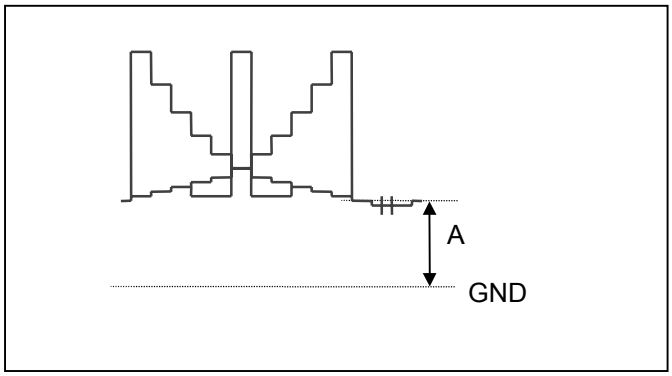
Note Take note that the order of R, G, B arrange ment is reversed each other between PRE AMP P.C.B. and MAIN P.C.B.



5-11. Pre-Amp. Output DC Level Adjustment

BOARD	PREAMP
M.POINT	TP7101(Rch), TP7201(Gch), TP7301(Bch) (MAIN P.C.B.)
ADJUST	R563(Rch),R363(Gch), R163(Bch) (PREAMP P.C.B.)
MODE	2000Lux 3200K Gray Scale
TAPE	-
M.EQ.	Oscilloscope
SPEC.	Rch(TP101)/Gch(TP201) :100 mV ± 20 mV Bch(TP301) :300 mV ± 20 mV

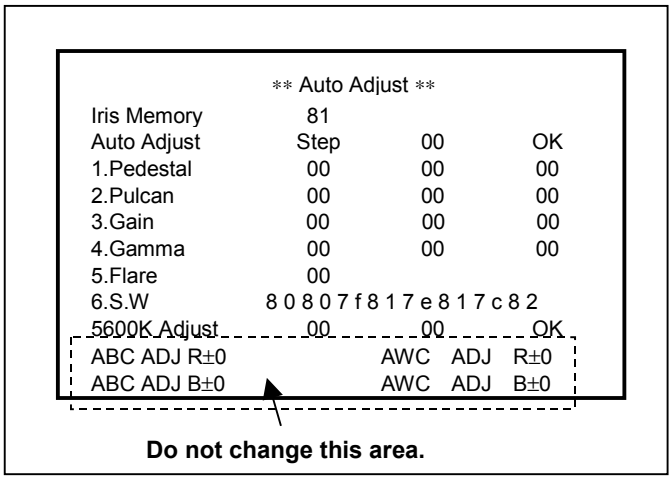
1. Adjust Iris so that DC level of Step 11 at TP7201 is 300 mV ± 5 mV.
2. Adjust R363 is so that DC level A at TP7201 is specification.
3. Adjust R563 is so that DC level A at TP7101 is specification.
4. Adjust R163 is so that DC level A at TP7301 is specification.



5-12. Auto Adjustment: Color Temperature 3200°K

BOARD	
M.POINT	
ADJUST	
MODE	2000Lux 3200K Gray Scale
TAPE	-
M.EQ.	Color Monitor
SPEC.	

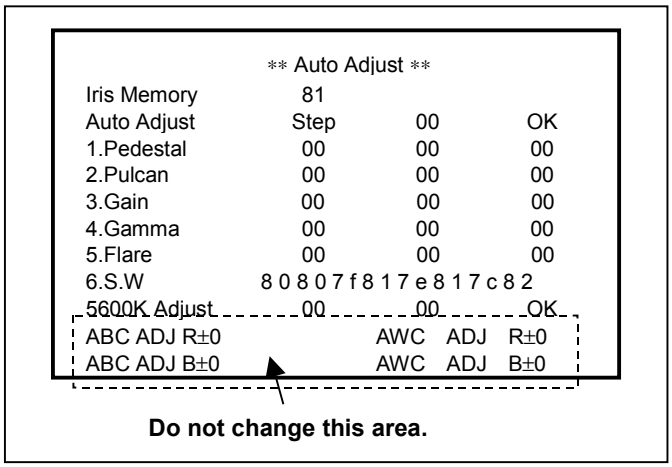
1. Switch ON No.1 of SW6300 on MAIN P.C.B.
2. Turn on power.
3. Set Optical Filter 1.
4. Select Auto Adjust menu.
   * Refer to CAMSYS menu setting.
5. Set the OUTPUT SW to CAM.
6. Make sure that the Iris setting is not change from "5-11. Pre-Amp Output DC Level Adjustment".
7. Set the Lens Iris mode to AUTO.
8. Select "Iris Memory".
   Rotate JOG dial button upward while pressing QUICK FOCUS.
9. Select "AUTO Adjust".
   Rotate JOG dial button upward while pressing QUICK FOCUS.
10. Then, the Auto Adjustment starts.
    After OK is displayed, turn off power.
    (Do not press menu button)
11. Switch OFF No.1 of SW6300 on MAIN P.C.B.



5-13. Auto Adjustment: Color Temperature 5600°K

BOARD	
M.POINT	
ADJUST	
MODE	2000Lux 3200K Gray Scale
TAPE	-
M.EQ.	Color Monitor
SPEC.	

1. Switch ON No.1 of SW6300 on MAIN P.C.B.
2. Turn on power.
3. Set Optical Filter 3.
4. Select Auto Adjust menu.
   * Refer to CAMSYS menu setting.
5. Set the OUTPUT SW to CAM.
6. Set the Lens Iris mode to AUTO.
7. Select "Iris Memory" in Auto Adjust menu.
   Rotate JOG dial button upward while pressing QUICK FOCUS.
8. Select "5600K Adjust" in Auto Adjust menu.
   Rotate JOG dial button upward while pressing QUICK FOCUS.
   Then, the Auto Adjustment starts.
9. After OK is displayed, turn off power.
   (Do not press menu button)
10. Switch OFF No.1 of SW6300 on MAIN P.C.B.



5-14. Initialize

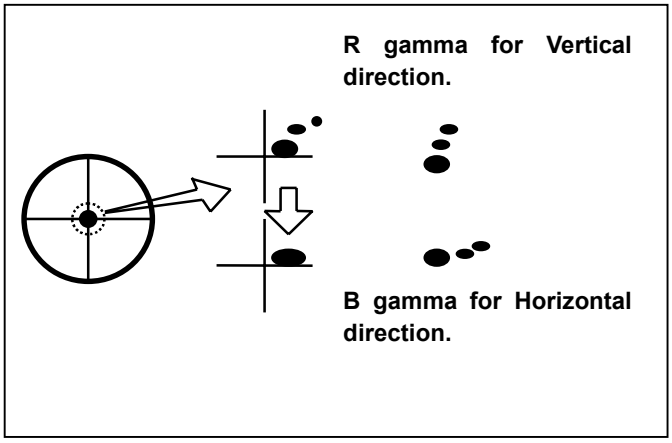
BOARD	-
M.POINT	VIDEO OUT
ADJUST	-
MODE	-
TAPE	-
M.EQ.	Color Monitor
SPEC.	-

1. Switch ON No.1 of SW6300 on MAIN P.C.B.
2. Turn ON
3. Select CAMSYS menu.
4. Select Initialize Data and press JOG dial button. Then, initialize starts.
5. Turn OFF.
6. Switch OFF No.1 of SW6300 on MAIN P.C.B.

5-15. R, B Gamma Adjustment

BOARD	MAIN
M.POINT	CAM OUT (75ohm termination)
ADJUST	EVR [SERVICE MENU]
MODE	2000Lux 3200K Gray Scale
TAPE	-
M.EQ.	WFM,Vector Scope
SPEC.	Vector dot : No spot & placed at Zero point.

1. [SERVICE MENU]
   Open FLARE / GAMMA
2. Select the lens extender to ON.
3. Connect CAM OUT to Waveform and adjust Iris so that the peek level is 80%.
4. Set WHITE BAL SW to Ach position and operate
   AWB, then operate ABB to AWB.
5. Adjust R GAMMA and B GAMMA so that the vector dot of each R and B color is located at the origin and doesn't split.
6. If the vector dot is on the origin, operate AWB and confirm the vector dot of R and B color is located at the origin
   If the vector dot is splits, adjust item 4, 5 alternately.
7. Set the extender to OFF.



5-16. White Shading Adjustment

BOARD	-
M.POINT	CAM OUT (75ohm termination)
ADJUST	EVR [SERVICE MENU]
MODE	Light Box (Spherical type) Defocus
TAPE	-
M.EQ.	WFM, Vector Scope
SPEC.	Shown bellow

1. Set the lens extender OFF condition and set electronic shutter 1/250 condition.
2. Connect a WFM to CAM OUT and set Iris so that the peak level is 80%.
2. Set WHITE BAL SW to Ach position operate and AWB, then operate ABB to AWB.
3. Open SERVICE menu and select WHITE SHADING in the WHITE SHADING menu.
4. Press the JOG dial button and then "READY" character is flashing.
5. Select "YES" using JOG dial button.
6. Defocus the lens focus.
7. Press JOG dial button and white shading correct starts.
8. Confirm that there is not extreme uneven color in the screen.
9. Set the lens extender ON condition and adjust item 1 to item7.

Note) Connect the connector of the lens to the AJ-D410A and adjust it.

5-17. Pedestal Adjustment

BOARD	-
M.POINT	CAM OUT (75ohm termination)
ADJUST	EVR [SERVICE MENU]
MODE	CLOSE
TAPE	-
M.EQ.	WFM,MONITOR
SPEC.	PEDSTAL = 5% ± 0.5%

1. Select MASTER PED as shown bellow.

   SERVICE → SCENE → PROCESS
   → MASTER PED

2. Set the value of MASTER PED to "+00."
3. Select M PED ADJ as shown bellow.

   SERVICE → FLARE/GAMMA →M PED ADJ

4. Operate ABB.
5. Connect a WFM to CAM OUT and Adjust M PED ADJ so that PEDESTAL level is in specification.

* In adjustment, Pedestal level moves, that the level is step-by-step.
  Set to the value which is the nearest 5%.

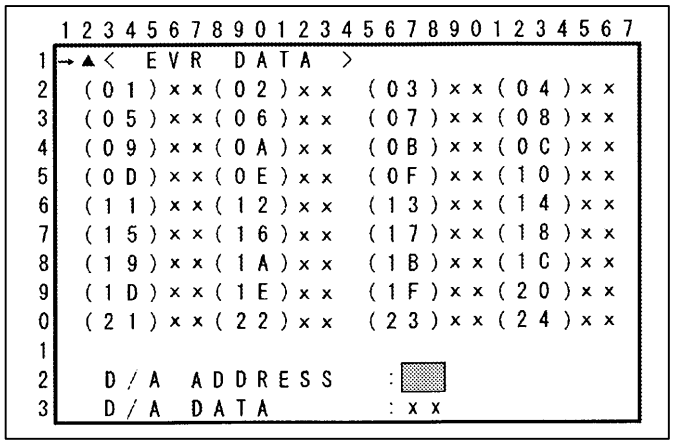
RF

6-1. Self-Recording RF Confirmation

1. Open a "EVR DATA" menu in a "SERVICE" menu

2. Set the value of the following data is "E0".

   D/A ADDRESS:(10) : EO
   D/A ADDRESS:(11) : EO



6-2. Confirmation of Interchangeability Error Rate.

1. Record CAMERA BAR (internal color bar signal) at AJ-D410A
2. Playback the recorded tape at other DVCCPRO studio VTR (ex. AJ-D850, AJ-D750) and measure error rate.
3. Playback the aliment tape (VFM3580KL) at other DVCPRO studio VTR and measure error rates.
4. Confirm the error rates is as follows.

   A : Error rate (recorded tape)
   B : Error rate (aliment tape)

   A-B = within 4 graduation

5. When the difference of error rate is equal to or more than 5 graduations, adjust about the corresponding channel.

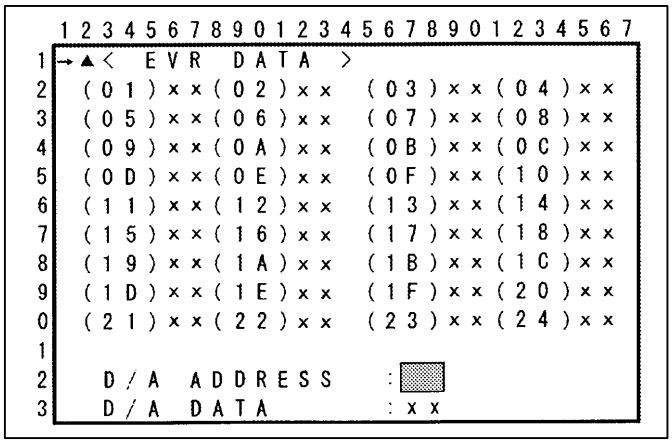
RF adjustment

(1) [SERVICE]
EVR DATA.

(2) Set the value following data is "C0" or "F0" as shown bellow.

D/A ADDRESS:(10) : L ch
D/A ADDRESS:(11) : R ch

(3) Confirm the "6-2. Confirmation of Interchangeability Error Rate" again.



AUDIO

7-1. Initial Setting

Menu setting

- Set the Menu mode as shown bellow.

< MIC / AUDIO >

FRONT MIC POWER	: OFF
FRONT MIC	: -50dB
REAR MIC CH1	: -60dB
REAR MIC CH2	: -60dB
MIC LOWCUT CH1	: OFF
MIC LOWCUT CH2	: OFF
LINE CH1 / CH2	: +4dB
REAR SEL CH1	: XLR
REAR SEL CH2	: XLR
LIMITER CH1	: OFF
LIMITER CH2	: OFF
CUE REC SEL	: CH1

- Set the switches as shown bellow.

AUDIO SELECT	
CH1	: MAN
CH2	: MAN
AUDIO IN	
CH1	: REAR LINE
CH2	: REAR LINE
REAR MIC POWER	
CH1	: OFF
CH2	: OFF

7-2. PB Level Adjustment

BOARD	MAIN
TP	AUDIO OUT CH1, CH2
ADJ.	VR4400 (CH1), VR4401 (CH2)
MODE	PLAY
TAPE	VFM3580KL (No1. 0-14min)
M.EQ	Audio Analyzer
SPEC	-6dBu ± 0dBu

1. Playback an aliment tape.
2. Adjust VR4400 so that the level at AUDIO OUT CH1 is within specification.
3. Adjust VR4401 so that the level at AUDIO OUT CH2 is within specification.

7-3. CUE PB Level Adjustment

BOARD	MAIN
TP	TP4301
ADJ.	VR4301
MODE	PLAY
TAPE	VFM3580KL (0-14mini)
M.EQ	Audio Analyzer
SPEC	-19.5dBu ± 0.5dBu

1. Playback an aliment tape.
2. Adjust VR4301 so that the level at TP4301 is within specification.

* Measure with **1kHz Band Path Filter.**

7-4. CUE REC Level Adjustment

BOARD	MAIN
TP	TP4302
ADJ.	VR4300
MODE	1KHz, +4dBu, Sine wave (REAR AUDIO IN CH1/CH2)
TAPE	EE
M.EQ	-
SPEC	Audio Analyzer
	-30.0dBu ± 0.2dBu

1. Adjust VR4300 so that the level at TP4302 is within specification.

7-5. CUE REC Current Adjustment

BOARD	CUE
TP	TP4301 MAIN P.C.B.
ADJ.	VR1102
MODE	1KHz, +4dBu, Sine Wave (REAR AUDIO IN CH1/CH2)
TAPE	REC / PLAY
M.EQ	-
SPEC	Audio Analyzer
	-19.5dBu ± 0.5dBu

1. Record in the REC/PB tape.
2. Playback the recorded position and adjust VR1102 so that level at TP4301 is within specification.
3. Adjusts items 1, 2 several times.

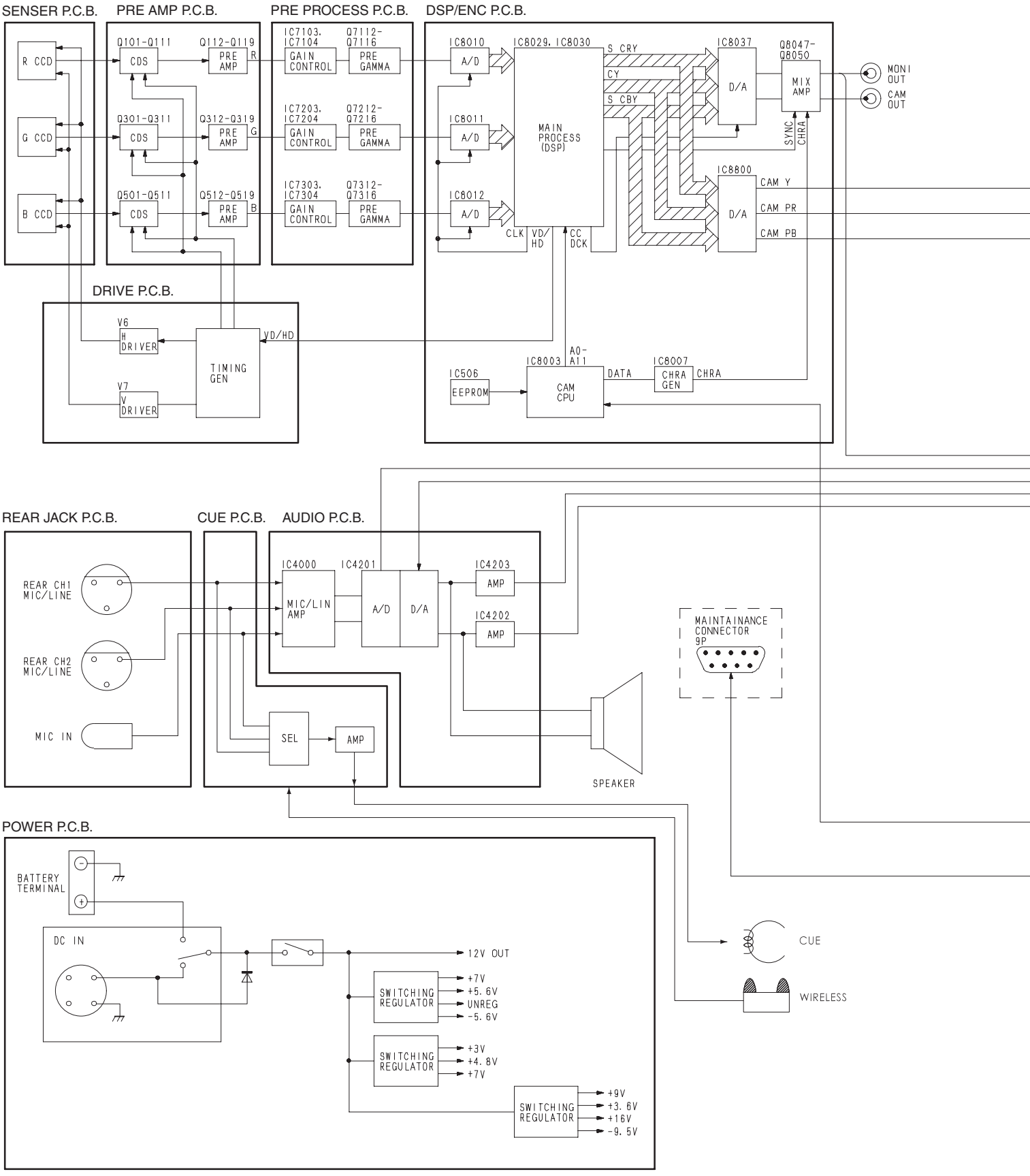
SECTION 5

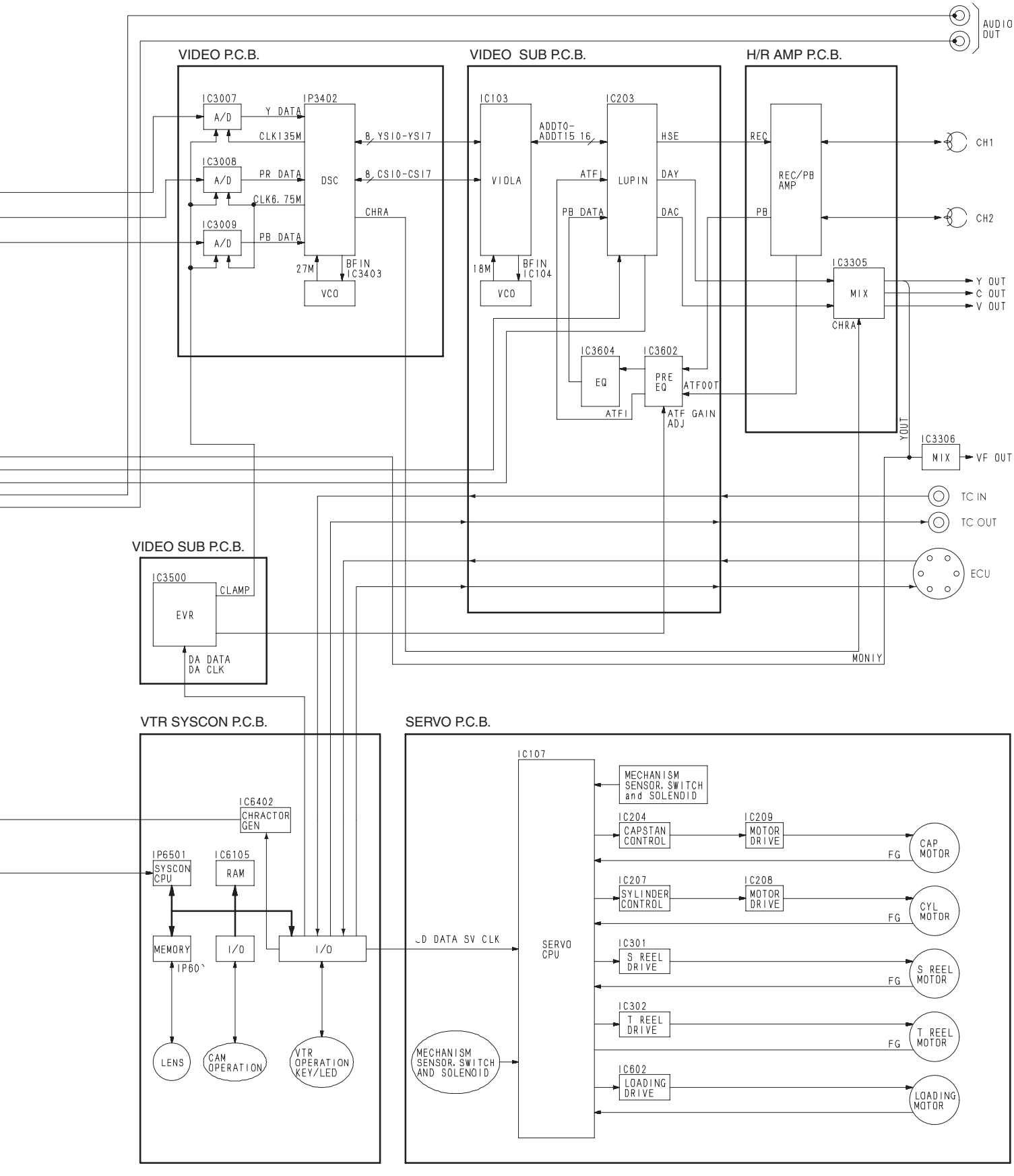
BLOCK DIAGRAMS

CONTENTS

OVERALL BLOCK DIAGRAM BLK-1
PREAMP/DRIVE BLOCK DIAGRAM BLK-3
MAIN (PRE PROCESS) BLOCK DIAGRAM BLK-5
MAIN (DSP/ENCODER) BLOCK DIAGRAM BLK-6
MAIN (VIDEO,VTR SUB) BLOCK DIAGRAM BLK-8
MAIN (AUDIO) BLOCK DIAGRAM BLK-10
RF & SERVO BLOCK DIAGRAM BLK-12
MAIN (VTR SYSCON) BLOCK DIAGRAM BLK-14
POWER BLOCK DIAGRAM BLK-16
H/R AMP DIAGRAM BLK-17
CUE DIAGRAM BLK-18
VTR SUB DIAGRAM BLK-20

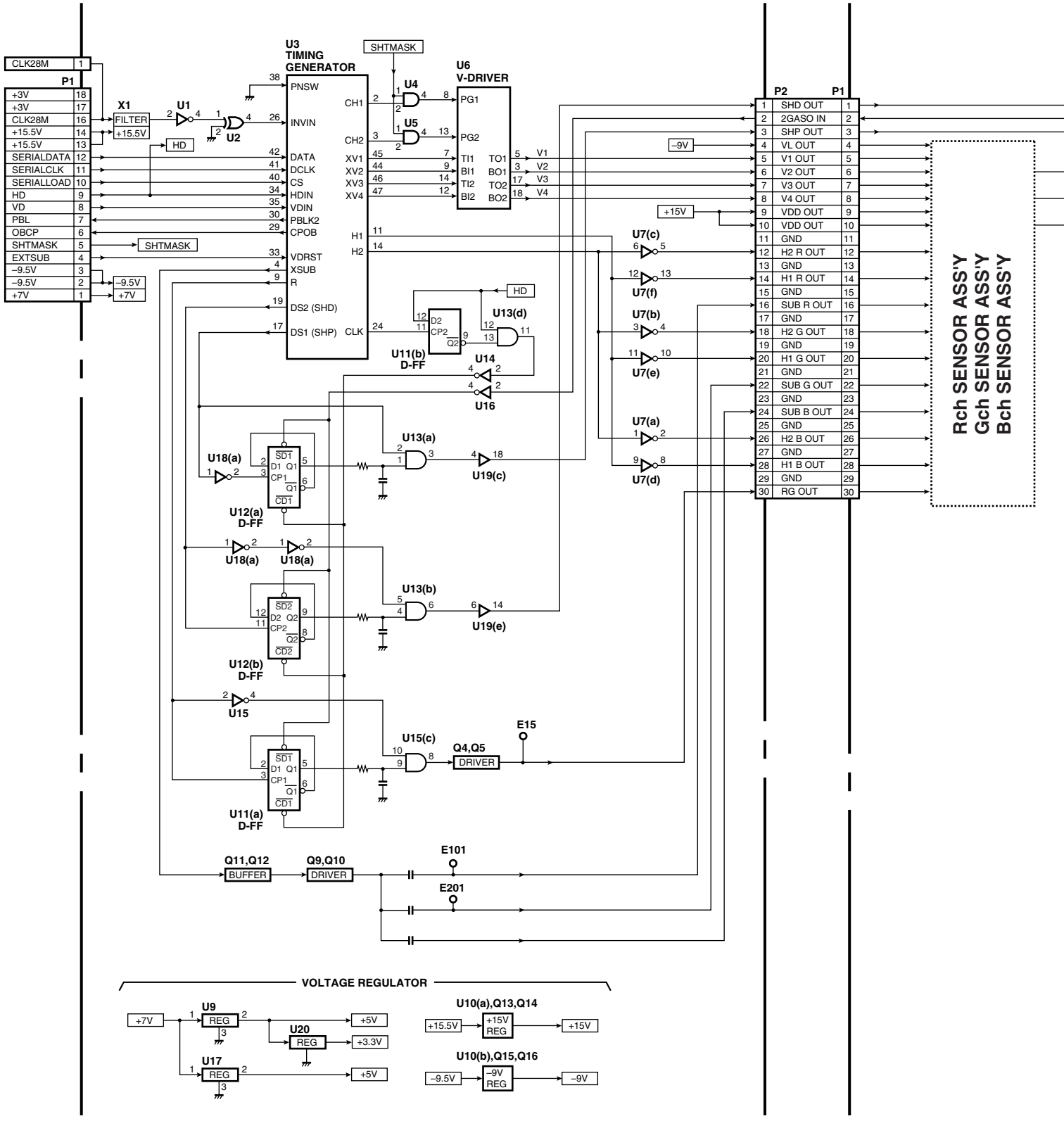
OVERALL BLOCK DIAGRAM

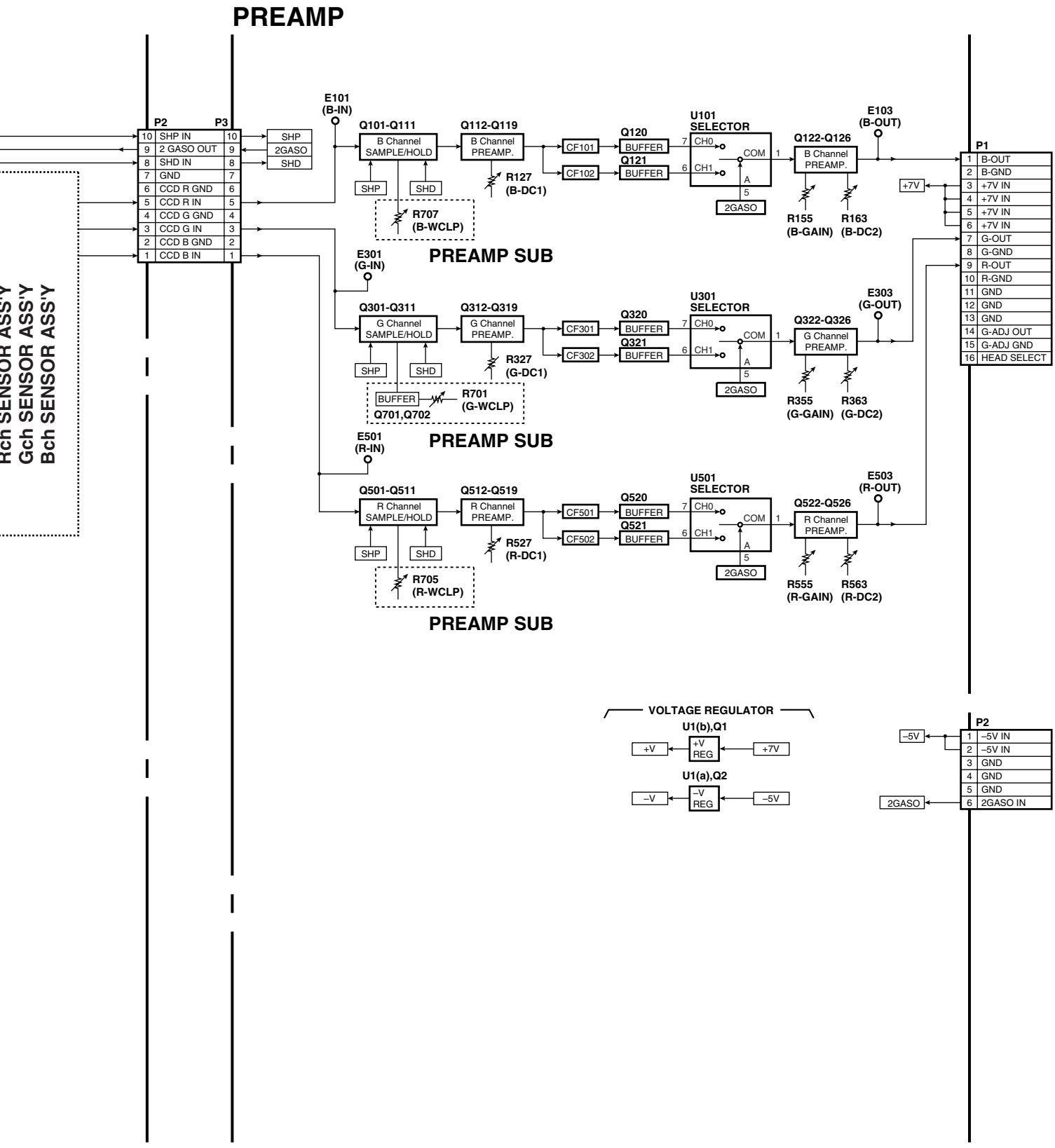



AUDIO OUT
VIDEO P.C.B.
VIDEO SUB P.C.B.
H/R AMP P.C.B.
IC3007
A/D
Y DATA
IP3402
CLK135M
8 YSI0-YSI7
IC3008
A/D
PR DATA
DSC
8 CSI0-CSI7
CLK6.75M
CHRA
IC3009
A/D
PB DATA
27M
BFIN
IC3403
VCO
IC103
VIDLA
ADDT0-
ADDT15 16
IC203
LUPIN
HSE
ATFI
DAY
PB DATA
DAC
18M
BFIN
IC104
VCO
REC
REC/PB
AMP
PB
CH1
CH2
IC3305
MIX
Y OUT
C OUT
V OUT
CHRA
IC3604
EQ
IC3602
PRE
EQ
ATF00T
ATFI
ATF GAIN
ADJ
YOUT
IC3306
MIX
VF OUT
TC IN
TC OUT
ECU
VIDEO SUB P.C.B.
IC3500
EVR
CLAMP
DA DATA
DA CLK
MONIY
VTR SYSCON P.C.B.
SERVO P.C.B.
IC6402
CHRACTOR
GEN
IP6501
SYSCON
CPU
IC6105
RAM
MEMORY
I/O
I/O
IP60
LENS
CAM
OPERATION
VTR
OPERATION
KEY/LED
D DATA SV CLK
IC107
SERVO
CPU
MECHANISM
SENSOR, SWITCH
and SOLENOID
MECHANISM
SENSOR, SWITCH
AND SOLENOID
IC204
CAPSTAN
CONTROL
IC209
MOTOR
DRIVE
CAP
MOTOR
FG
IC207
SYLINDER
CONTROL
IC208
MOTOR
DRIVE
CYL
MOTOR
FG
IC301
S REEL
DRIVE
S REEL
MOTOR
FG
IC302
T REEL
DRIVE
T REEL
MOTOR
FG
IC602
LOADING
DRIVE
LOADING
MOTOR

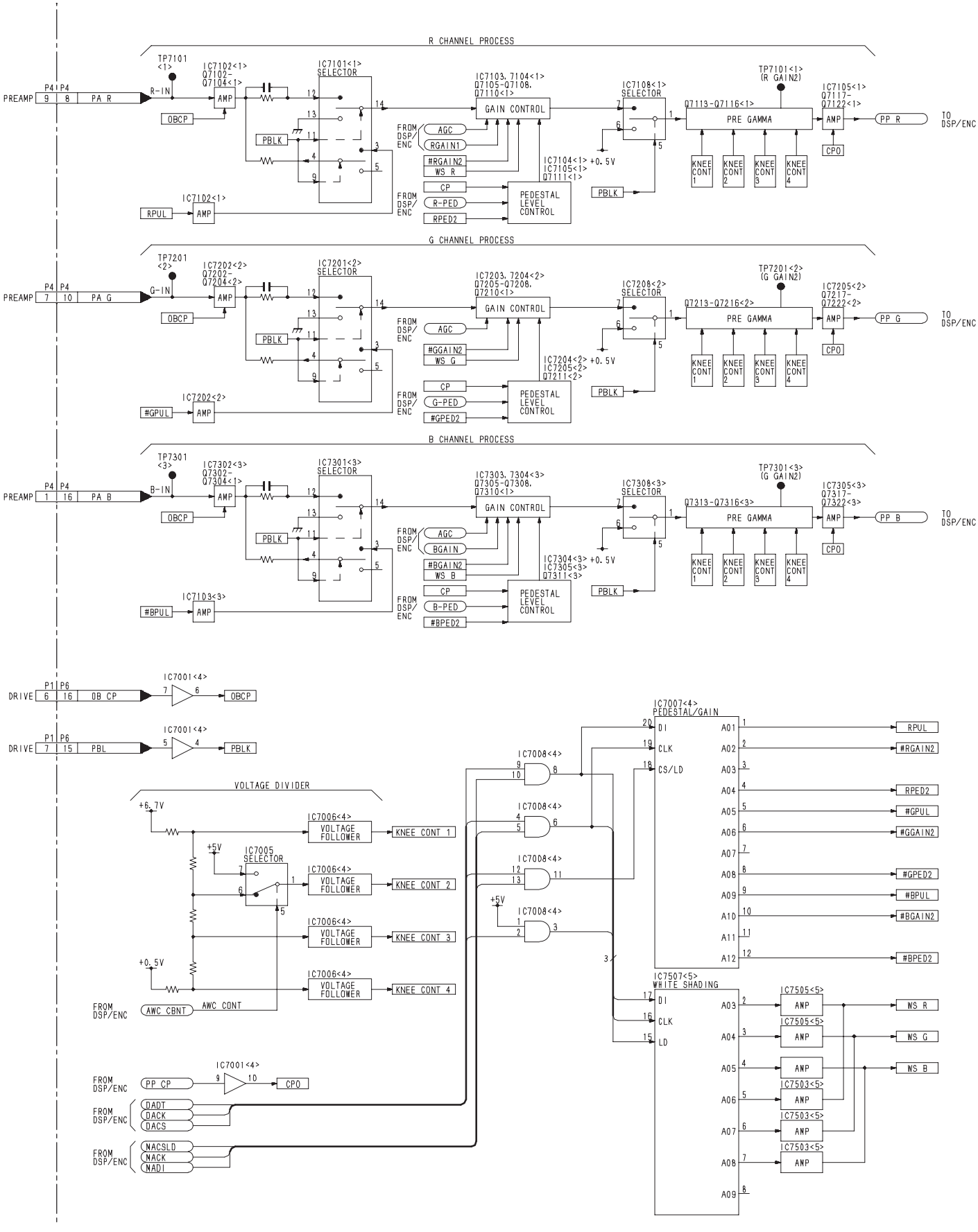
PREAMP/DRIVE BLOCK DIAGRAM

DRIVE

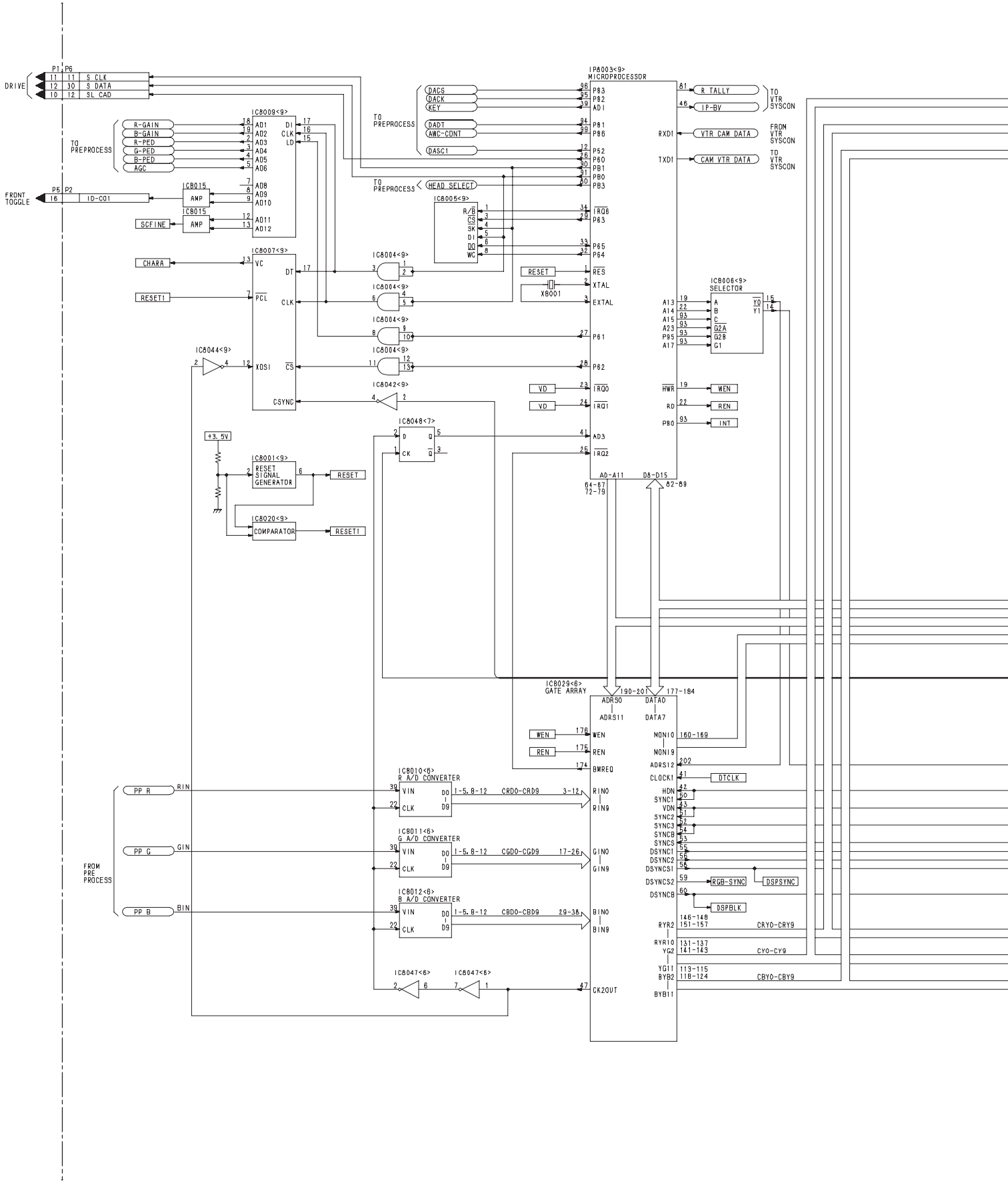


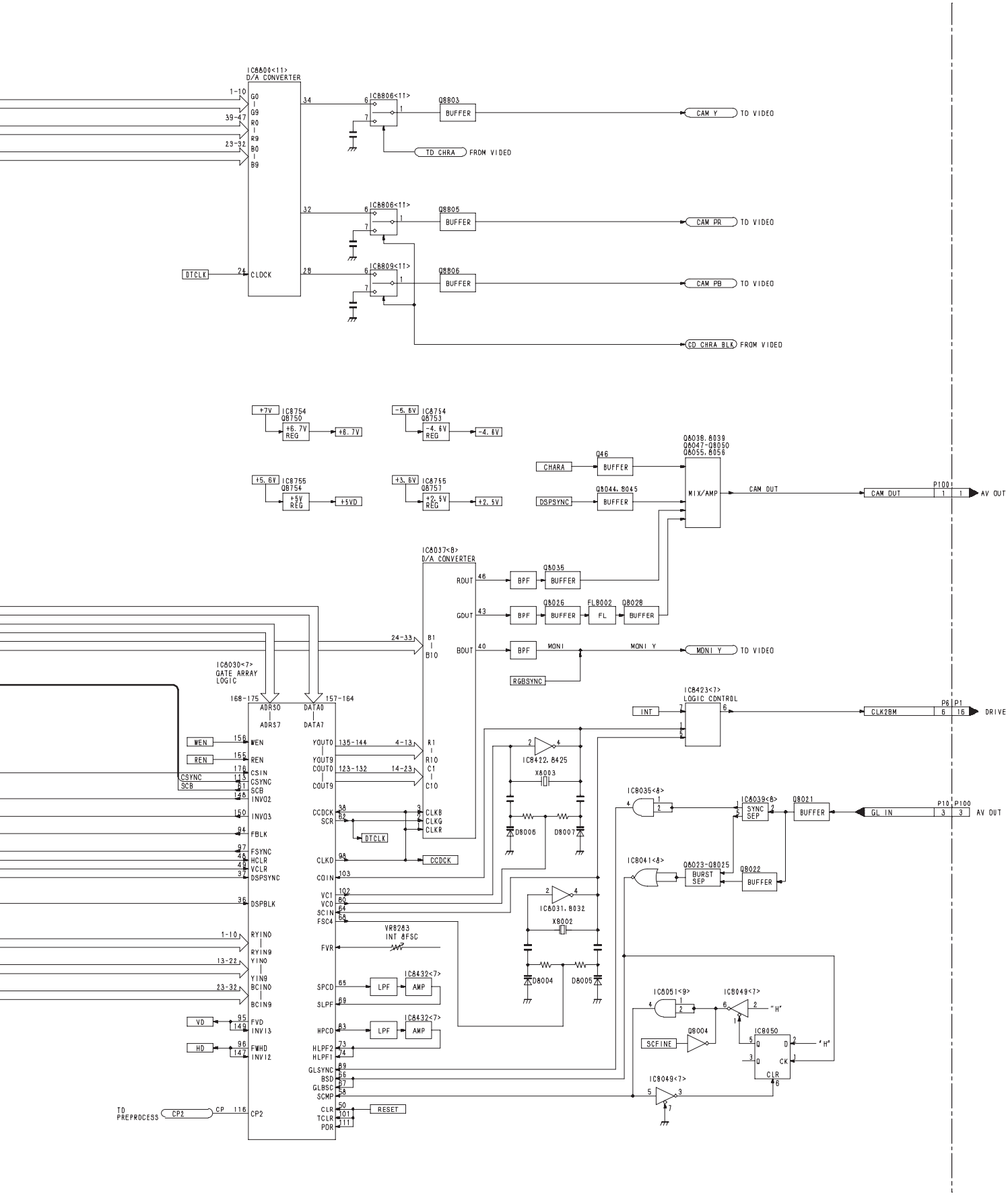

PREAMP
P2
P3
10 SHP IN 10
9 2 GASO OUT 9
8 SHD IN 8
7 GND 7
6 CCD R GND 6
5 CCD R IN 5
4 CCD G GND 4
3 CCD G IN 3
2 CCD B GND 2
1 CCD B IN 1
SHP
2GASO
SHD
E101 (B-IN)
Q101-Q111
B Channel SAMPLE/HOLD
Q112-Q119
B Channel PREAMP.
R127 (B-DC1)
R707 (B-WCLP)
CF101
CF102
Q120
Q121
BUFFER
U101 SELECTOR
CH0
CH1
COM
A
2GASO
Q122-Q126
B Channel PREAMP.
R155 (B-GAIN)
R163 (B-DC2)
E103 (B-OUT)
PREAMP SUB
E301 (G-IN)
Q301-Q311
G Channel SAMPLE/HOLD
Q312-Q319
G Channel PREAMP.
R327 (G-DC1)
BUFFER
R701 (G-WCLP)
Q701,Q702
CF301
CF302
Q320
Q321
U301 SELECTOR
Q322-Q326
G Channel PREAMP.
R355 (G-GAIN)
R363 (G-DC2)
E303 (G-OUT)
PREAMP SUB
E501 (R-IN)
Q501-Q511
R Channel SAMPLE/HOLD
Q512-Q519
R Channel PREAMP.
R527 (R-DC1)
R705 (R-WCLP)
CF501
CF502
Q520
Q521
U501 SELECTOR
Q522-Q526
R Channel PREAMP.
R555 (R-GAIN)
R563 (R-DC2)
E503 (R-OUT)
PREAMP SUB
Rch SENSOR ASS'Y
Gch SENSOR ASS'Y
Bch SENSOR ASS'Y
P1
1 B-OUT
2 B-GND
3 +7V IN
4 +7V IN
5 +7V IN
6 +7V IN
7 G-OUT
8 G-GND
9 R-OUT
10 R-GND
11 GND
12 GND
13 GND
14 G-ADJ OUT
15 G-ADJ GND
16 HEAD SELECT
+7V
VOLTAGE REGULATOR
U1(b),Q1
+V
+V REG
+7V
U1(a),Q2
–V
–V REG
–5V
P2
1 –5V IN
2 –5V IN
3 GND
4 GND
5 GND
6 2GASO IN
–5V
2GASO

MAIN(PRE PROCESS) BLOCK DIAGRAM

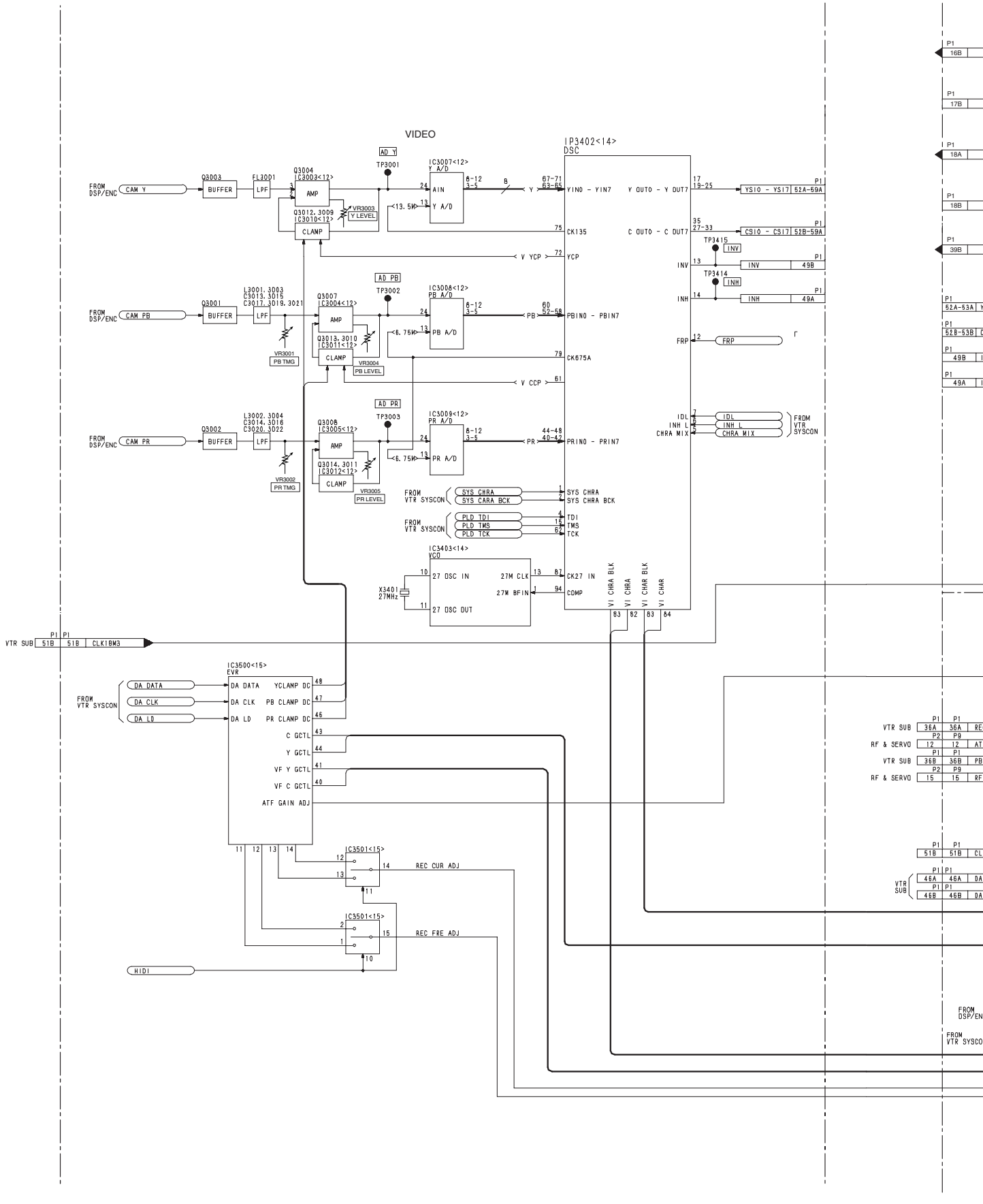


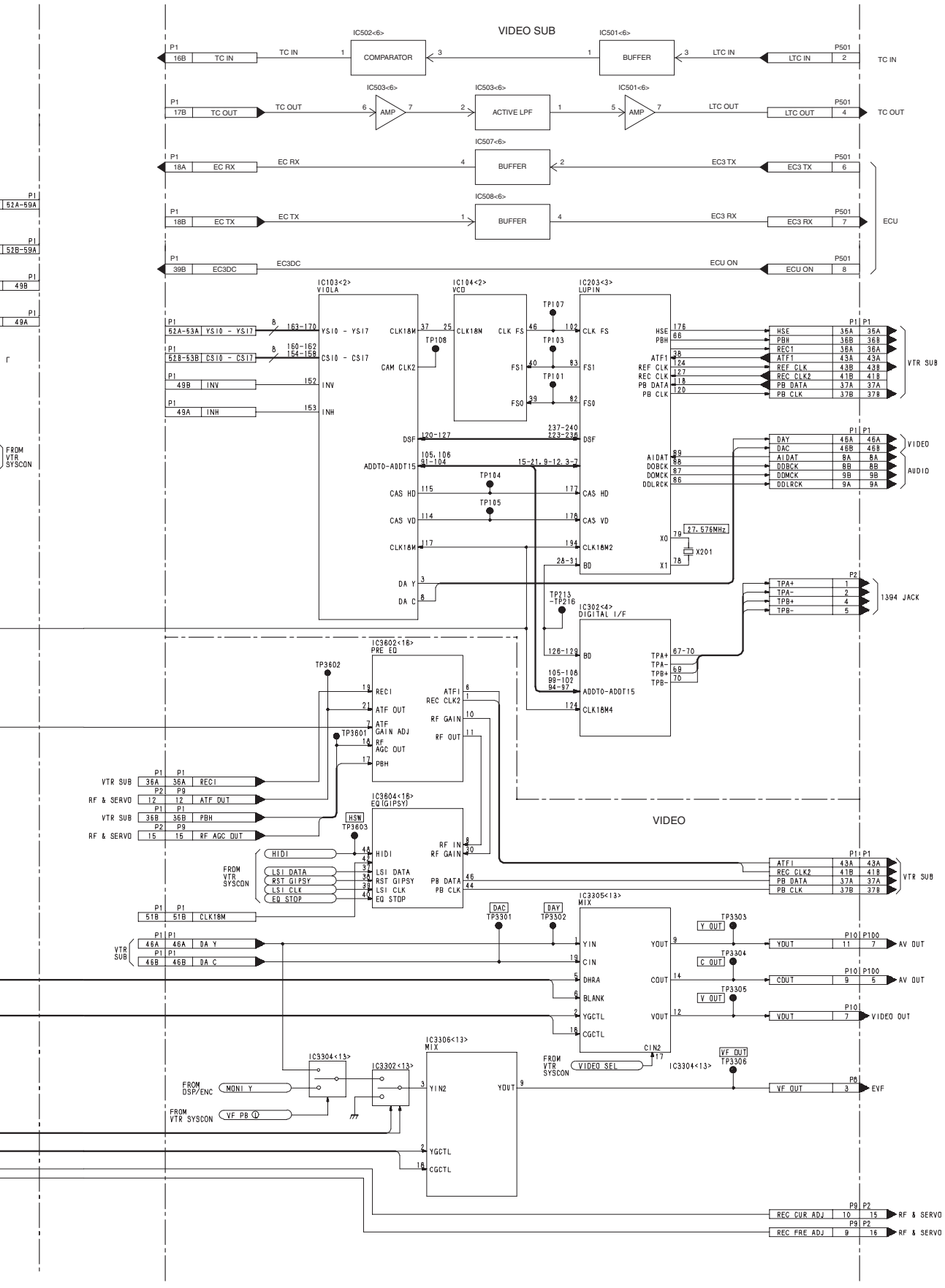
MAIN(DSP/ENCODER) BLOCK DIAGRAM



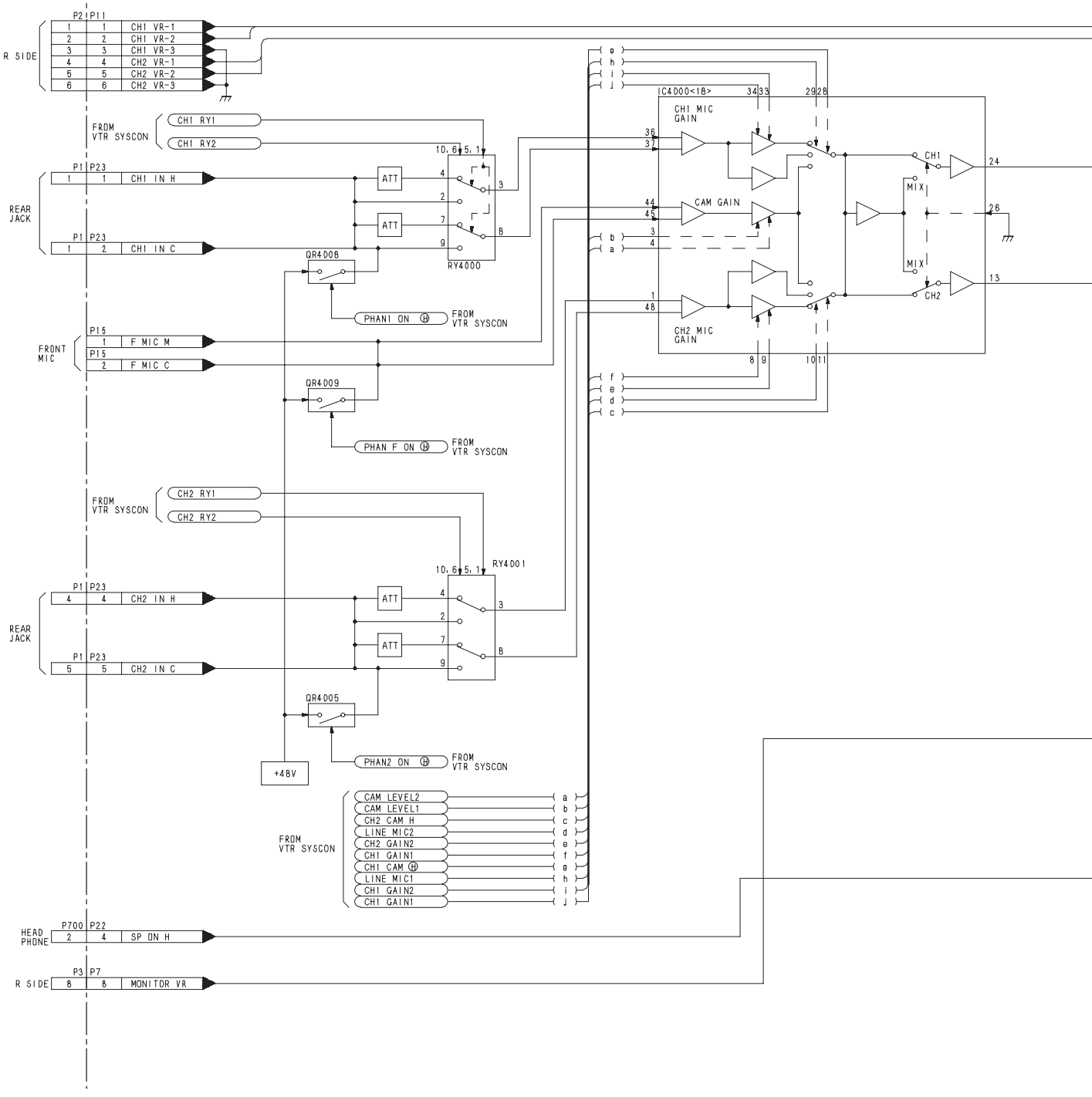

IC8800<11>
D/A CONVERTER
G0
G9
R0
R9
B0
B9
CLOCK
DTCLK
IC8806<11>
IC8809<11>
Q8803
Q8805
Q8806
BUFFER
CAM Y
CAM PR
CAM PB
TO VIDEO
TO CHRA
FROM VIDEO
CD CHRA BLK
+7V
IC8754
Q8750
+6.7V REG
+6.7V
-5.6V
Q8753
-4.6V REG
-4.6V
+5.6V
Q8754
+5V REG
+5VD
+3.6V
Q8757
+2.5V REG
+2.5V
CHARA
DSPSYNC
Q46
Q8044, 8045
Q8038, 8039
Q8047-Q8050
Q8055, 8056
MIX/AMP
CAM OUT
P100
AV OUT
IC8037<8>
D/A CONVERTER
RDOUT
GDOUT
BDOUT
BPF
Q8035
Q8026
FL8002
FL
Q8028
MONI
MONI Y
RGBSYNC
IC8030<7>
GATE ARRAY
LOGIC
ADR30
ADR37
DATA0
DATA7
WEN
REN
CSIN
CSYNC
SCB
INVO2
INVO3
FBLK
FSYNC
HCLR
VCLR
DSPSYNC
DSPBLK
RYIN0
RYIN9
YIN0
YIN9
BCIN0
BCIN9
FVD
INV13
FWHD
INV12
CP2
YOUT0
YOUT9
COUT0
COUT9
CCDCK
SCR
CLKD
COIN
VCI
VCD
SCIN
FSC4
FVR
SPCD
SLPF
HPCD
HLPF2
HLPF1
GLSYNC
BSD
GLBSC
SCMP
CLR
TCLR
POR
R1
R10
C1
C10
CLKB
CLKG
CLKR
VR8203
INT 8FSC
IC8432<7>
LPF
AMP
RESET
TO PREPROCESS
IC8423<7>
LOGIC CONTROL
INT
CLK28M
DRIVE
IC8422, 8425
X8003
D8006
D8007
IC8031, 8032
X8002
D8004
D8005
IC8035<8>
IC8039<8>
SYNC SEP
Q8021
BUFFER
GL IN
IC8041<8>
Q8023-Q8025
BURST SEP
Q8022
IC8051<9>
IC8049<7>
"H"
SCFINE
Q8004
IC8050
CK
CLR

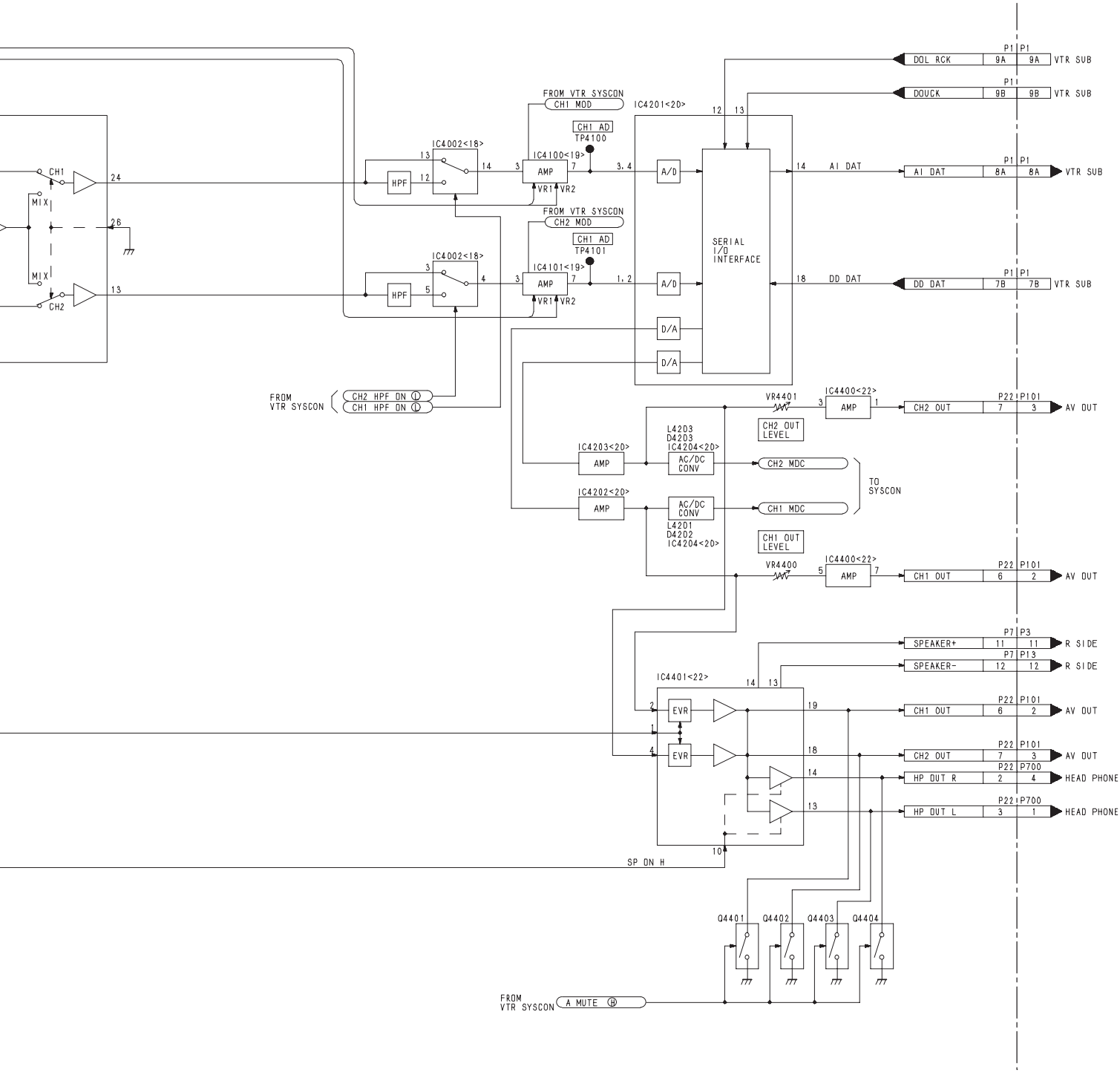
MAIN(VIDEO,VTR SUB) BLOCK DIAGRAM



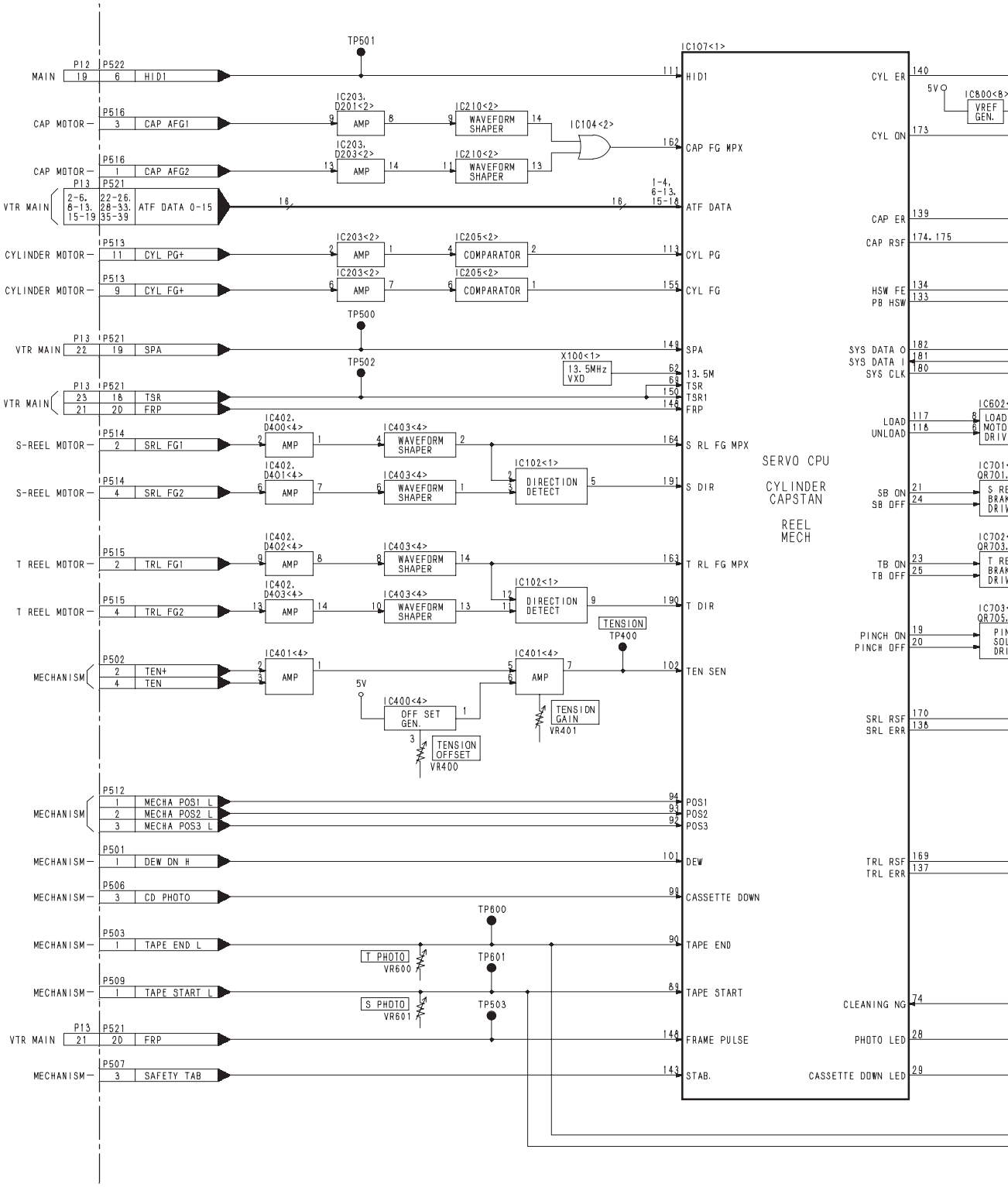

VIDEO SUB
IC502<6>
COMPARATOR
IC501<6>
BUFFER
TC IN
LTC IN
IC503<6>
AMP
ACTIVE LPF
IC501<6>
AMP
TC OUT
LTC OUT
IC507<6>
BUFFER
EC RX
EC3 TX
IC508<6>
BUFFER
EC TX
EC3 RX
EC3DC
ECU ON
ECU
IC103<2>
VIOLA
IC104<2>
VCO
IC203<3>
LUPIN
YS10 - YS17
CS10 - CS17
INV
INH
CLK18M
CAM CLK2
CLK FS
FS1
FS0
DSF
ADDT0-ADDT15
CAS HD
CAS VD
CLK18M2
BD
DA Y
DA C
HSE
PBH
REC1
ATF1
REF CLK
REC CLK2
PB DATA
PB CLK
AIDAT
DOBCK
DOMCK
DDLRCK
VTR SUB
VIDEO
AUDIO
X0
X1
27.575MHz
X201
FROM VTR SYSCON
IC302<4>
DIGITAL I/F
TPA+
TPA-
TPB+
TPB-
1394 JACK
IC3602<18>
PRE EQ
REC1
ATF OUT
ATF GAIN ADJ
RF AGC OUT
PBH
ATF1
REC CLK2
RF GAIN
RF OUT
IC3604<18>
EQ(GIPSY)
HSW
HIDI
LSI DATA
RST GIPSY
LSI CLK
EQ STOP
RF IN
PB DATA
PB CLK
CLK18M4
VIDEO
IC3305<13>
MIX
YIN
CIN
DHRA
BLANK
YGCTL
CGCTL
YOUT
COUT
VOUT
CIN2
DAC
DAY
Y OUT
C OUT
V OUT
AV OUT
VIDEO OUT
VIDEO SEL
IC3304<13>
IC3302<13>
IC3306<13>
MIX
YIN2
MONI Y
VF PB
VF OUT
EVF
REC CUR ADJ
REC FRE ADJ
RF & SERVO

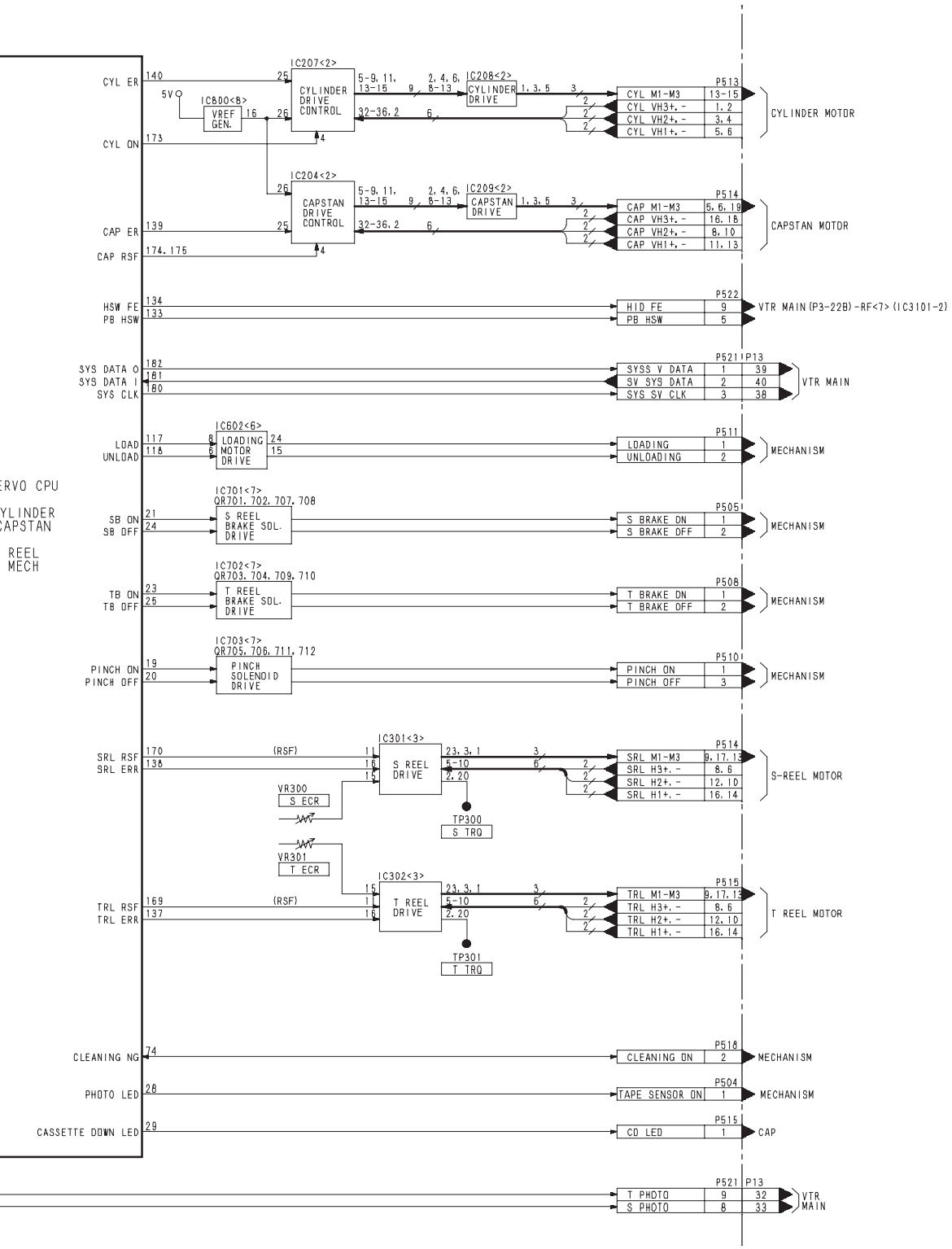
MAIN(AUDIO) BLOCK DIAGRAM



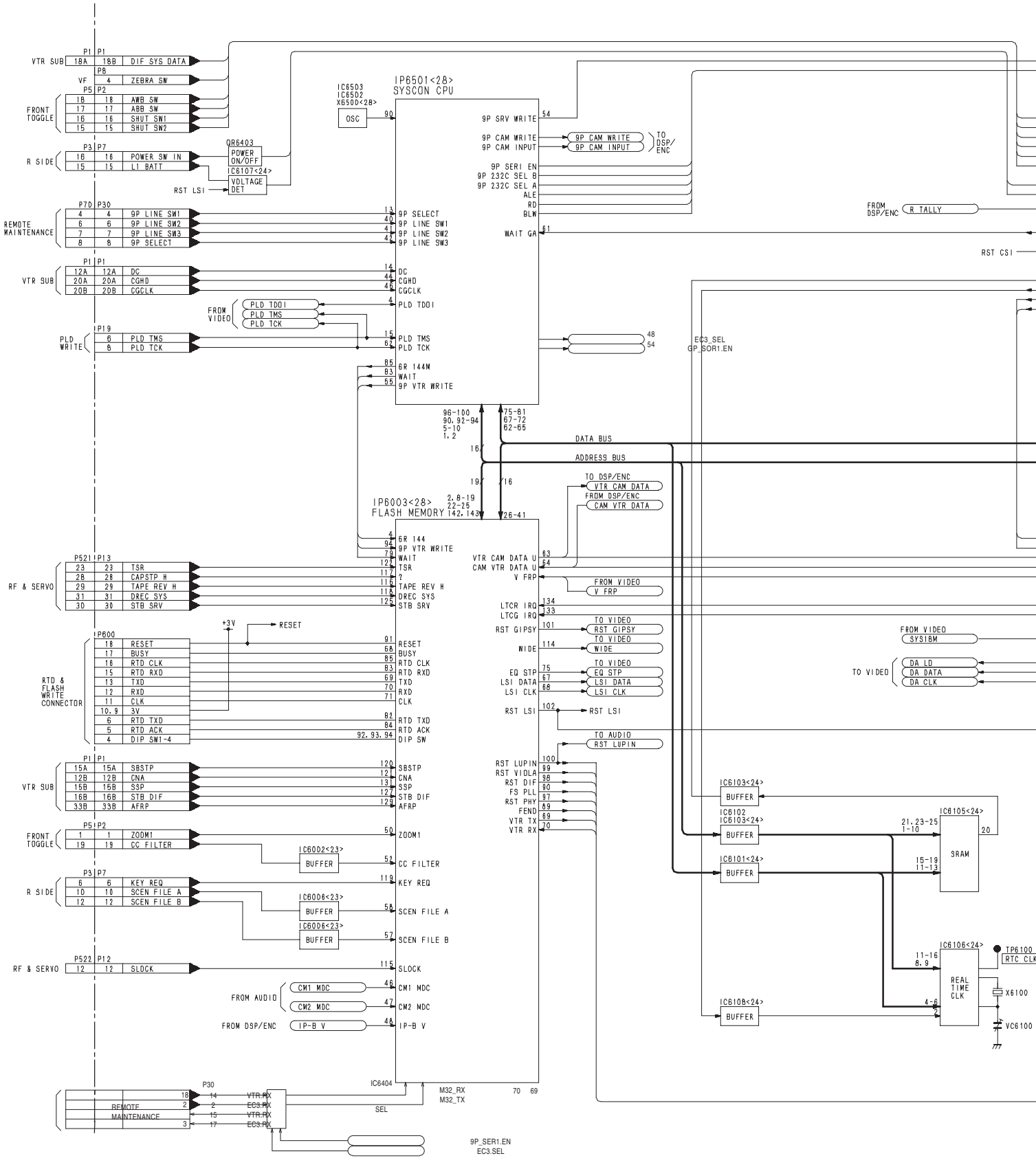

CH1
MIX
24
26
MIX
CH2
13
HPF
12
IC4002<18>
13
14
3
IC4100<19>
AMP
7
3, 4
VR1
VR2
FROM VTR SYSCON
CH1 MOD
CH1 AD
TP4100
IC4201<20>
12
13
A/D
SERIAL
I/O
INTERFACE
14
AI DAT
P1 P1
AI DAT
8A 8A
VTR SUB
DOL RCK
9A 9A
VTR SUB
DOUCK
9B 9B
VTR SUB
FROM VTR SYSCON
CH2 MOD
CH1 AD
TP4101
IC4002<18>
3
4
IC4101<19>
1, 2
18
DD DAT
DD DAT
7B 7B
VTR SUB
D/A
D/A
FROM
VTR SYSCON
CH2 HPF ON
CH1 HPF ON
VR4401
CH2 OUT
LEVEL
IC4400<22>
AMP
CH2 OUT
7 3
AV OUT
L42D3
D42D3
IC4204<20>
IC4203<20>
AMP
AC/DC
CONV
CH2 MDC
TO
SYSCON
IC4202<20>
AMP
AC/DC
CONV
CH1 MDC
L42D1
D42D2
IC4204<20>
CH1 OUT
LEVEL
VR4400
IC4400<22>
AMP
CH1 OUT
6 2
AV OUT
P7 P3
SPEAKER+
11 11
R SIDE
P7 P13
SPEAKER-
12 12
R SIDE
IC4401<22>
EVR
EVR
CH1 OUT
6 2
AV OUT
CH2 OUT
7 3
AV OUT
HP OUT R
2 4
HEAD PHONE
HP OUT L
3 1
HEAD PHONE
SP ON H
Q4401
Q4402
Q4403
Q4404
FROM
VTR SYSCON
A MUTE

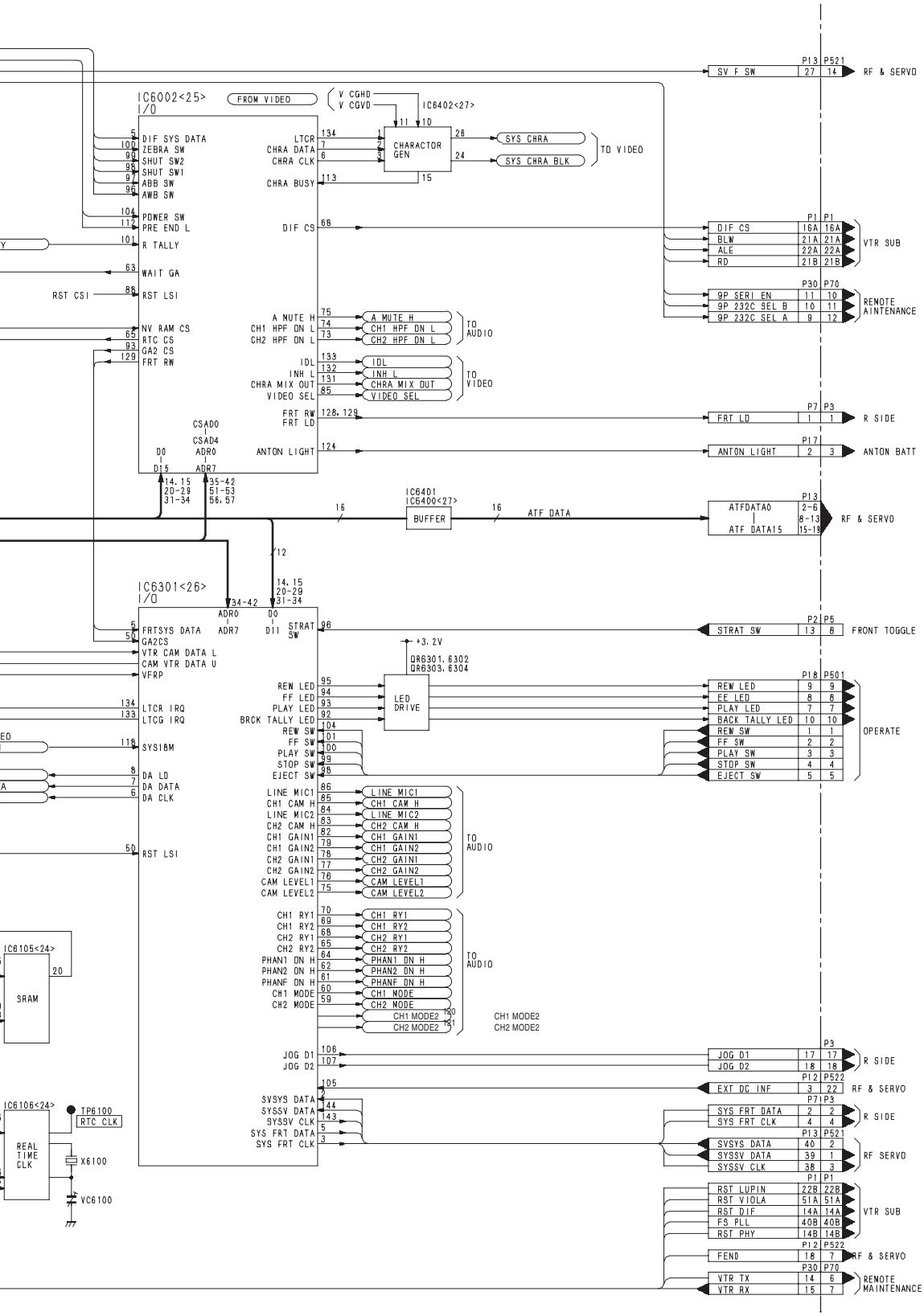
RF & SERVO BLOCK DIAGRAM



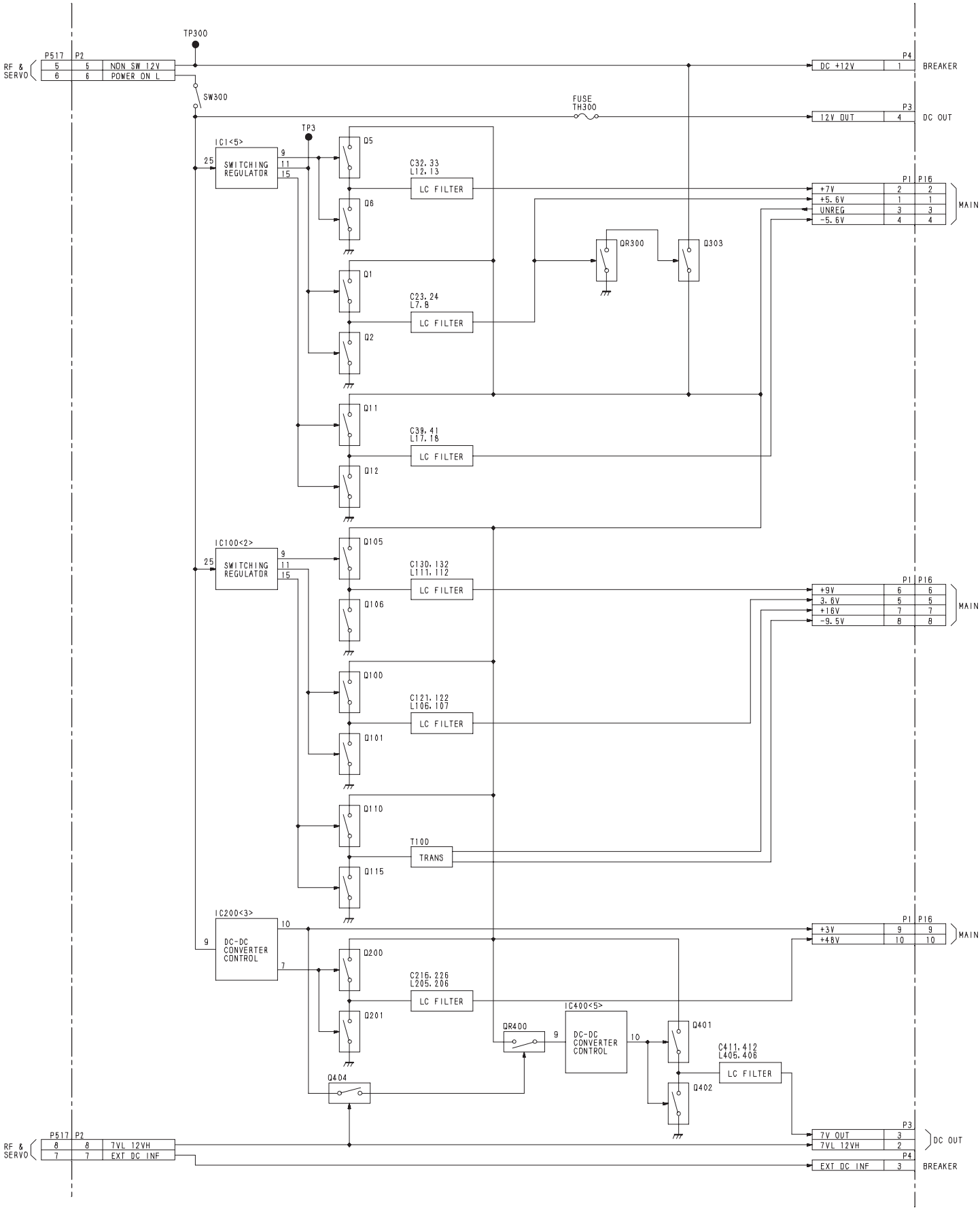

CYL ER
CYL ON
CAP ER
CAP RSF
HSW FE
PB HSW
SYS DATA O
SYS DATA I
SYS CLK
LOAD
UNLOAD
SB ON
SB OFF
TB ON
TB OFF
PINCH ON
PINCH OFF
SRL RSF
SRL ERR
TRL RSF
TRL ERR
CLEANING NG
PHOTO LED
CASSETTE DOWN LED
5V
IC800<8>
VREF GEN.
IC207<2>
CYLINDER DRIVE CONTROL
IC208<2>
CYLINDER DRIVE
IC204<2>
CAPSTAN DRIVE CONTROL
IC209<2>
CAPSTAN DRIVE
IC602<6>
LOADING MOTOR DRIVE
IC701<7>
QR701, 702, 707, 708
S REEL BRAKE SOL. DRIVE
IC702<7>
QR703, 704, 709, 710
T REEL BRAKE SOL. DRIVE
IC703<7>
QR705, 706, 711, 712
PINCH SOLENOID DRIVE
IC301<3>
S REEL DRIVE
IC302<3>
T REEL DRIVE
VR300
S ECR
VR301
T ECR
TP300
S TRQ
TP301
T TRQ
(RSF)
CYL M1-M3
CYL VH3+,-
CYL VH2+,-
CYL VH1+,-
CAP M1-M3
CAP VH3+,-
CAP VH2+,-
CAP VH1+,-
SRL M1-M3
SRL H3+,-
SRL H2+,-
SRL H1+,-
TRL M1-M3
TRL H3+,-
TRL H2+,-
TRL H1+,-
P513
P514
P522
P521
P13
P511
P505
P508
P510
P515
P518
P504
HID FE
PB HSW
SYSS V DATA
SV SYS DATA
SYS SV CLK
LOADING
UNLOADING
S BRAKE ON
S BRAKE OFF
T BRAKE ON
T BRAKE OFF
PINCH ON
PINCH OFF
CLEANING ON
TAPE SENSOR ON
CD LED
T PHOTO
S PHOTO
CYLINDER MOTOR
CAPSTAN MOTOR
VTR MAIN (P3-22B) -RF<7> (IC3101-2)
VTR MAIN
MECHANISM
S-REEL MOTOR
T REEL MOTOR
CAP
VTR MAIN

MAIN(VTR SYSCON) BLOCK DIAGRAM

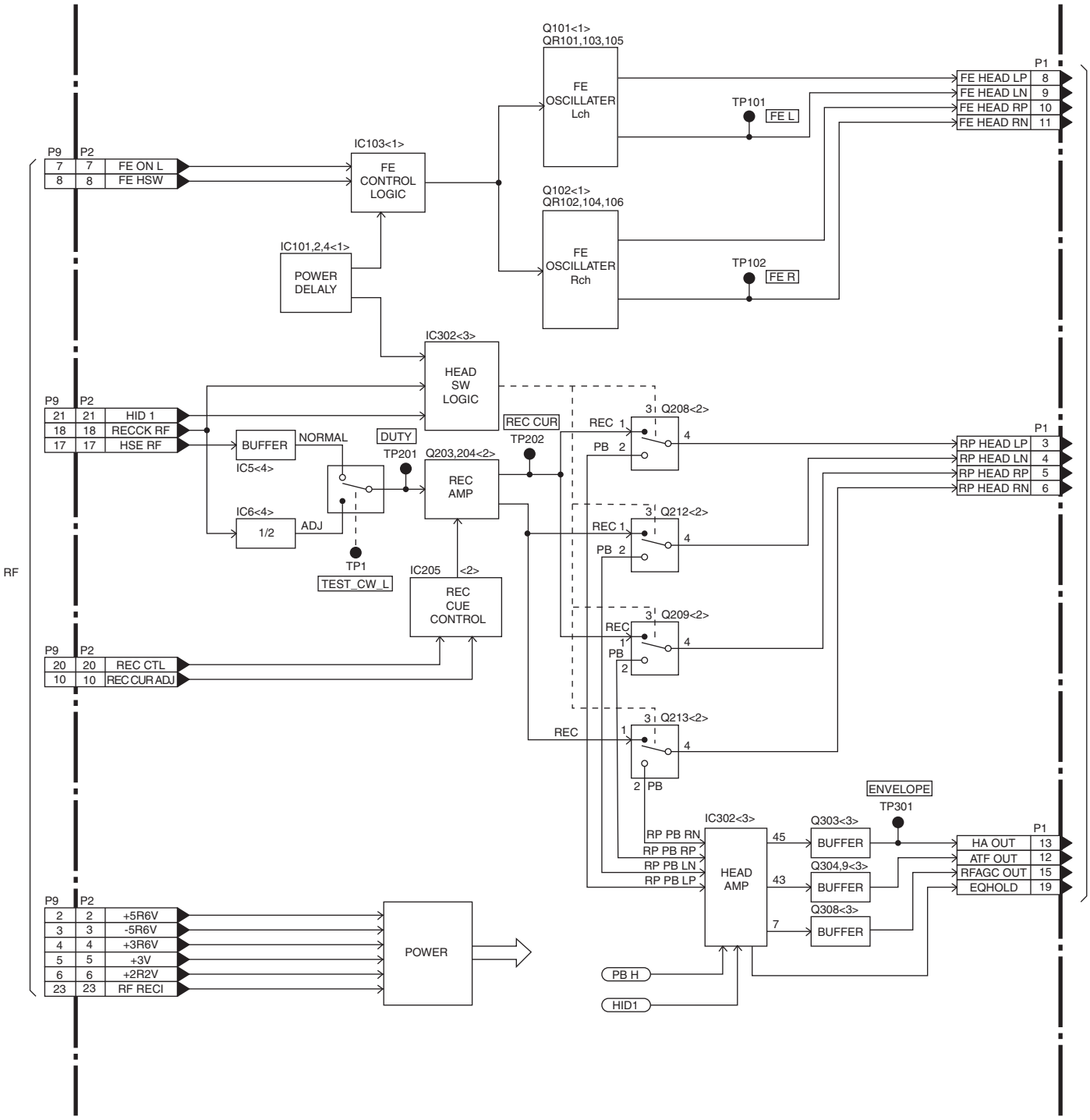



IC6002<25>
I/O
FROM VIDEO
V CGHD
V CGVD
IC6402<27>
CHARACTOR GEN
SYS CHRA
SYS CHRA BLK
TO VIDEO
DIF SYS DATA
ZEBRA SW
SHUT SW2
SHUT SW1
ABB SW
AWB SW
POWER SW
PRE END L
R TALLY
WAIT GA
RST LSI
NV RAM CS
RTC CS
GA2 CS
FRT RW
LTCR
CHRA DATA
CHRA CLK
CHRA BUSY
DIF CS
A MUTE H
CH1 HPF ON L
CH2 HPF ON L
IDL
INH L
CHRA MIX OUT
VIDEO SEL
FRT RW
FRT LD
ANTON LIGHT
TO AUDIO
TO VIDEO
CSAD0
CSAD4
D0
D15
ADR0
ADR7
14, 15
20-28
31-34
35-42
51-53
56, 57
IC6401
IC6400<27>
BUFFER
ATF DATA
ATFDATA0
ATF DATA15
RF & SERVO
IC6301<26>
I/O
FRTSYS DATA
GA2CS
VTR CAM DATA L
CAM VTR DATA U
VFRP
LTCR IRQ
LTCG IRQ
SYSIBM
DA LD
DA DATA
DA CLK
RST LSI
STRAT SW
+3.2V
QR6301, 6302
QR6303, 6304
LED DRIVE
REW LED
FF LED
PLAY LED
BRCK TALLY LED
REW SW
FF SW
PLAY SW
STOP SW
EJECT SW
LINE MIC1
CH1 CAM H
LINE MIC2
CH2 CAM H
CH1 GAIN1
CH1 GAIN2
CH2 GAIN1
CH2 GAIN2
CAM LEVEL1
CAM LEVEL2
CH1 RY1
CH1 RY2
CH2 RY1
CH2 RY2
PHAN1 ON H
PHAN2 ON H
PHANF ON H
CH1 MODE
CH2 MODE
CH1 MODE2
CH2 MODE2
JOG D1
JOG D2
SVSYS DATA
SYSSV DATA
SYSSV CLK
SYS FRT DATA
SYS FRT CLK
IC6105<24>
SRAM
IC6106<24>
REAL TIME CLK
TP6100
RTC CLK
X6100
VC6100
P13 P521
SV F SW
RF & SERVO
P1 P1
DIF CS
BLW
ALE
RD
VTR SUB
P30 P70
9P SERI EN
9P 232C SEL B
9P 232C SEL A
REMOTE AINTENANCE
P7 P3
FRT LD
R SIDE
P17
ANTON LIGHT
ANTON BATT
P13
ATFDATA0
ATF DATA15
RF & SERVO
P2 P5
STRAT SW
FRONT TOGGLE
P18 P501
REW LED
EE LED
PLAY LED
BACK TALLY LED
REW SW
FF SW
PLAY SW
STOP SW
EJECT SW
OPERATE
P3
JOG D1
JOG D2
R SIDE
P12 P522
EXT DC INF
RF & SERVO
P71 P3
SYS FRT DATA
SYS FRT CLK
R SIDE
P13 P521
SVSYS DATA
SYSSV DATA
SYSSV CLK
RF SERVO
P1 P1
RST LUPIN
RST VIOLA
RST DIF
FS PLL
RST PHY
VTR SUB
P12 P522
FEND
RF & SERVO
P30 P70
VTR TX
VTR RX
REMOTE MAINTENANCE

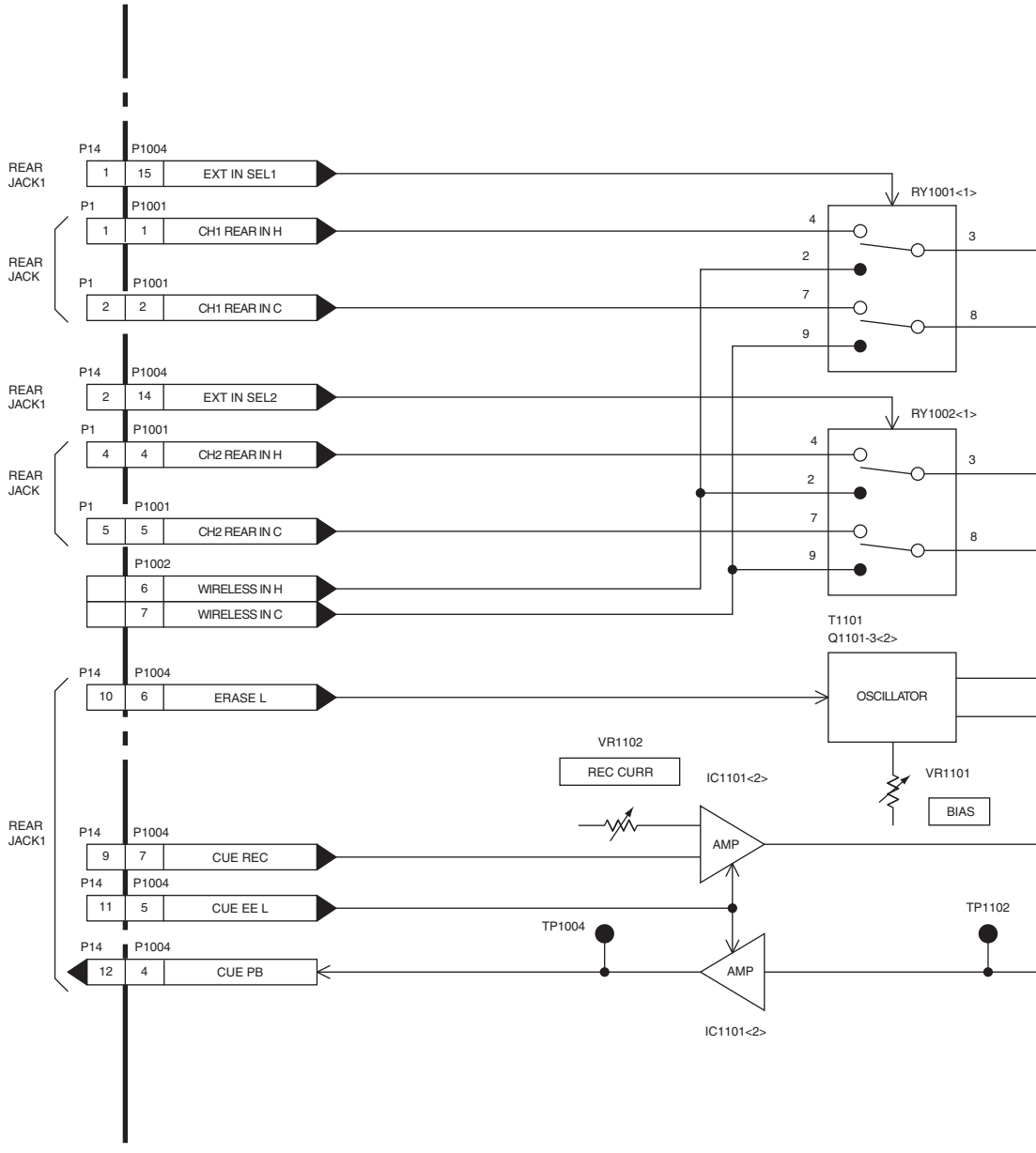
POWER BLOCK DIAGRAM

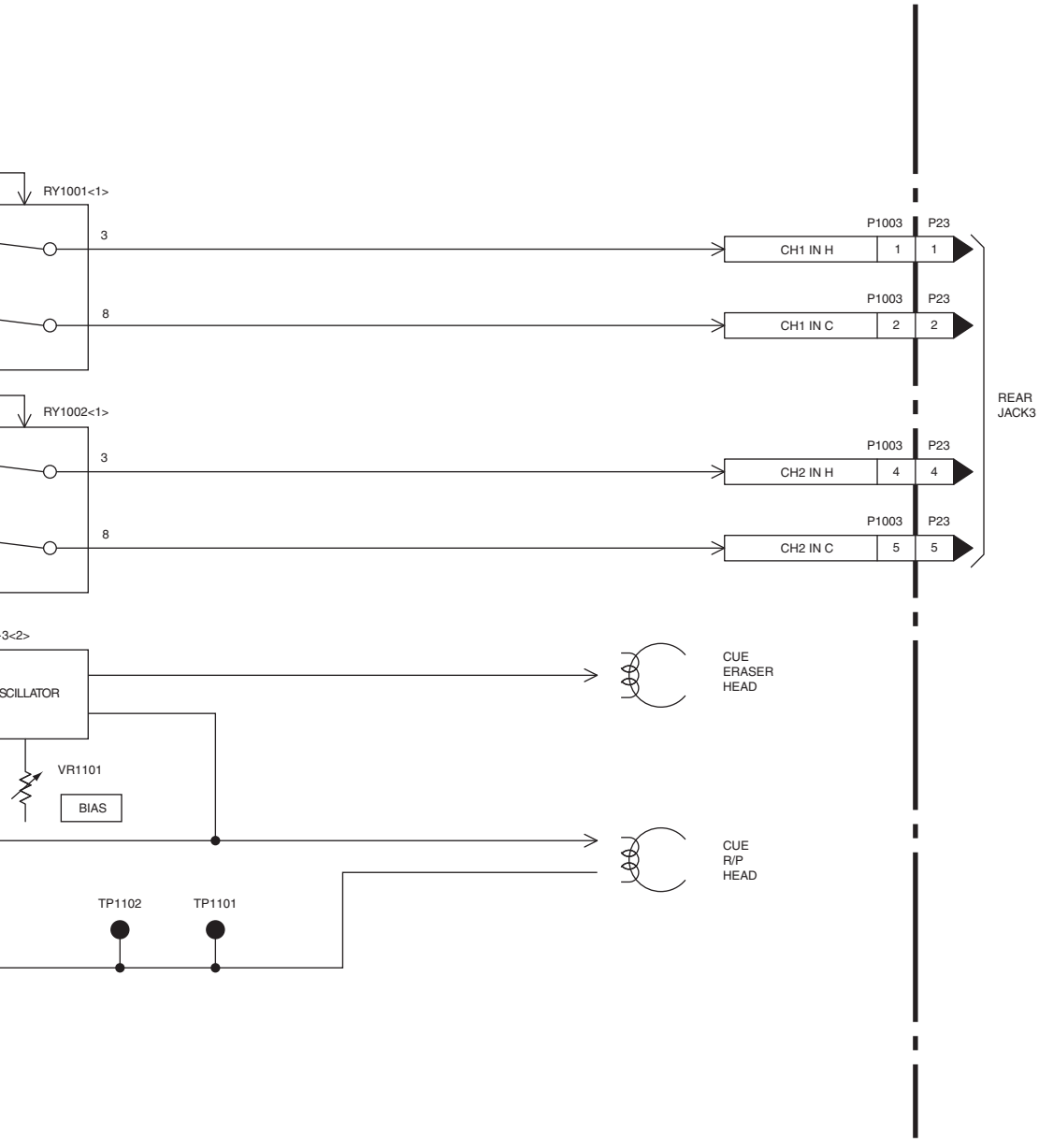


H/R AMP BLOCK DIAGRAM

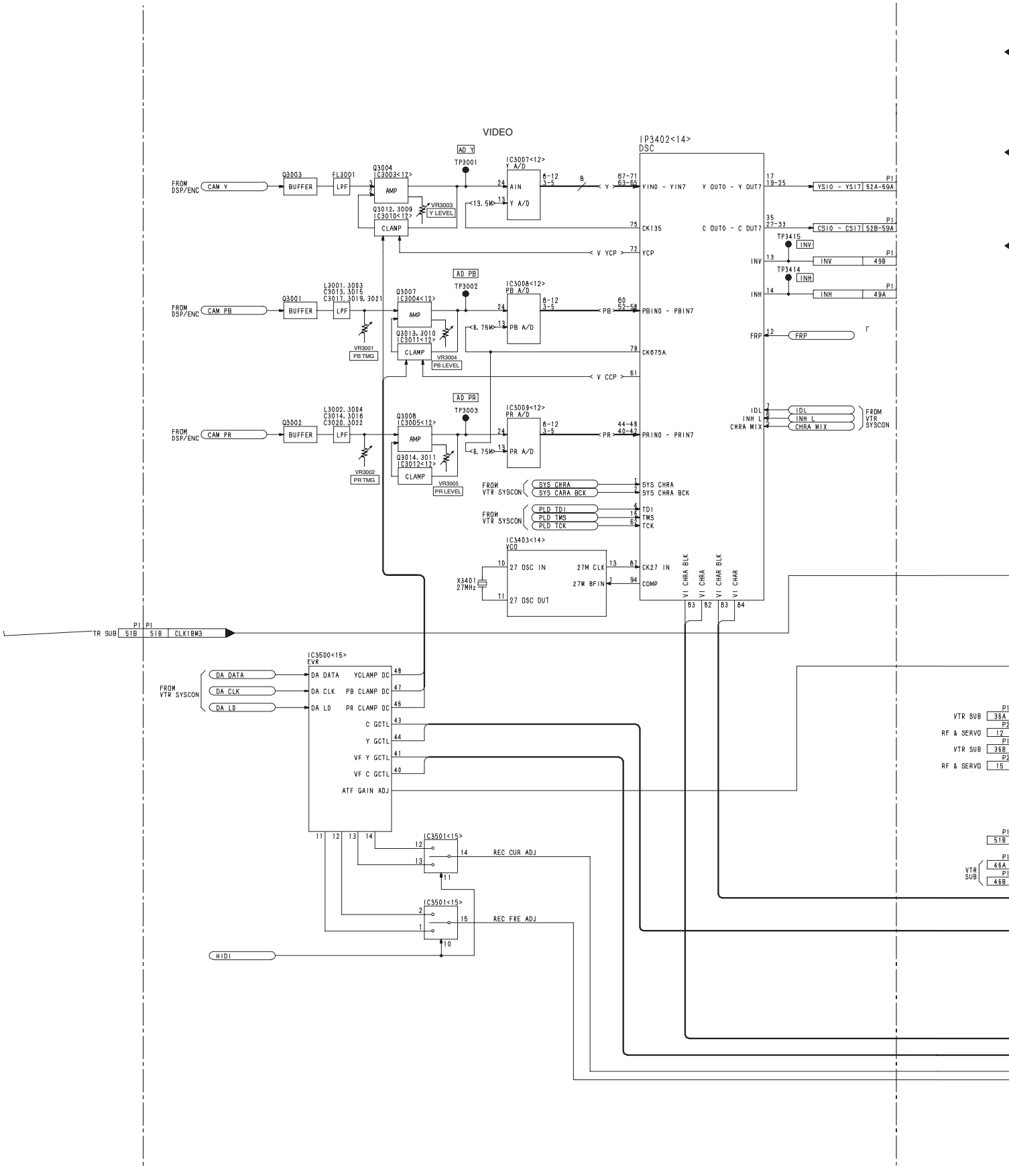


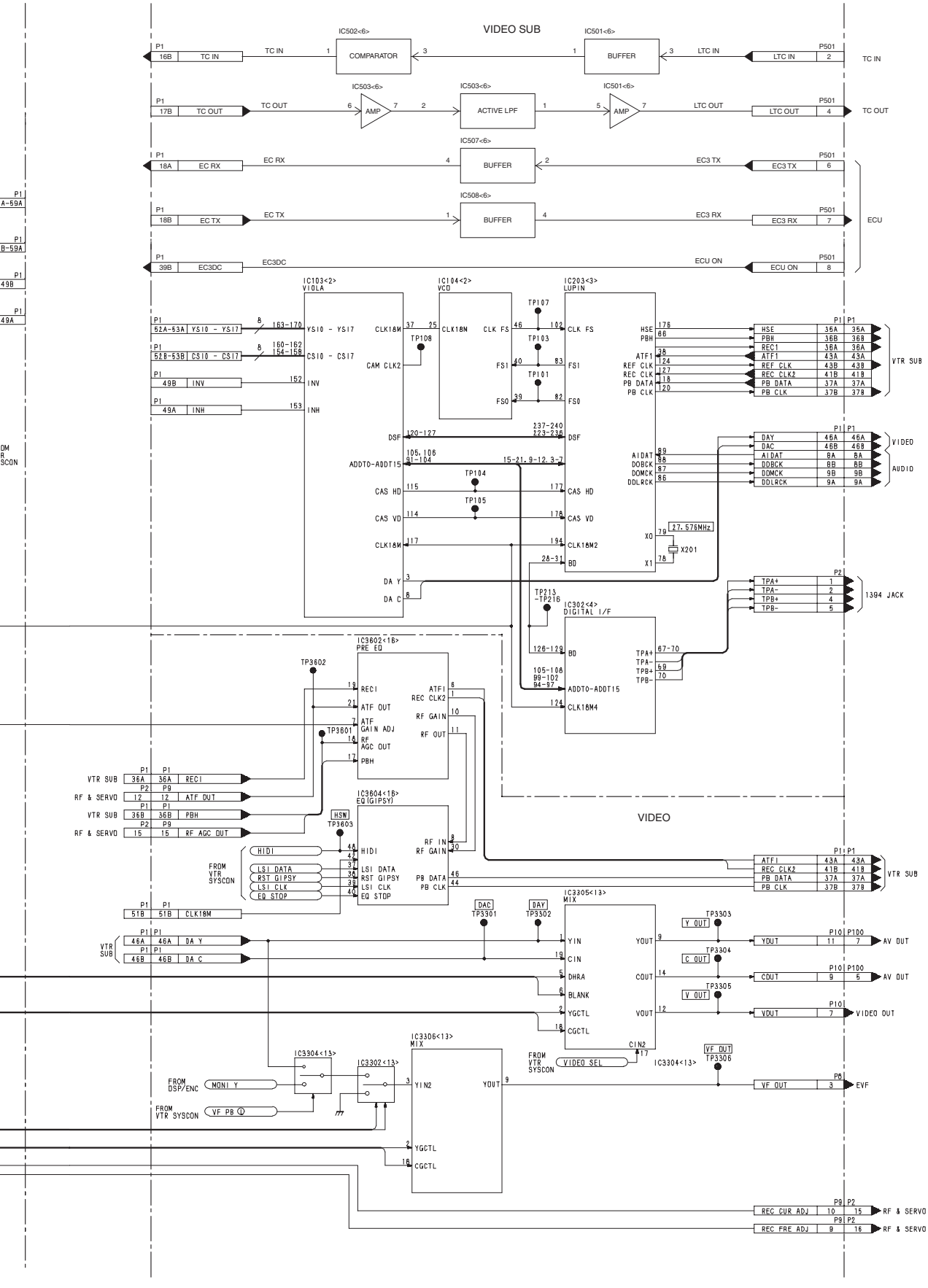
CUE BLOCK DIAGRAM




RY1001<1>
3
8
RY1002<1>
3
8
-3<2>
SCILLATOR
VR1101
BIAS
TP1102
TP1101
P1003
P23
CH1 IN H
1
1
P1003
P23
CH1 IN C
2
2
P1003
P23
CH2 IN H
4
4
P1003
P23
CH2 IN C
5
5
REAR
JACK3
CUE
ERASER
HEAD
CUE
R/P
HEAD

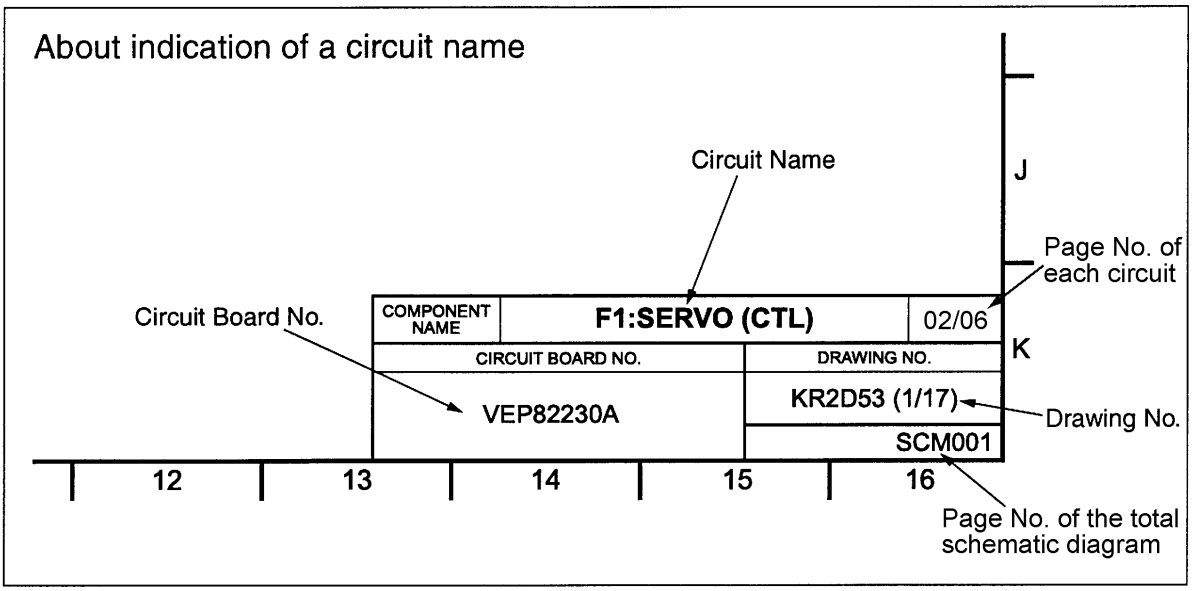
VTR SUB BLOCK DIAGRAM




VIDEO SUB
TC IN
COMPARATOR
BUFFER
LTC IN
TC OUT
AMP
ACTIVE LPF
AMP
LTC OUT
EC RX
BUFFER
EC3 TX
EC TX
BUFFER
EC3 RX
ECU
EC3DC
ECU ON
VIOLA
VCD
LUPIN
VTR SUB
VIDEO
AUDIO
27.576MHz
X201
DIGITAL I/F
1394 JACK
PRE EQ
EQ(GIPSY)
VIDEO
MIX
AV OUT
VIDEO OUT
EVF
FROM DSP/ENC
MONI Y
FROM VTR SYSCON
VF PB
VIDEO SEL
REC CUR ADJ
REC FRE ADJ
RF & SERVO

SECTION 6

SCHEMATIC DIAGRAMS



NOTE:
BE SURE TO MAKE YOUR ORDERS OF REPLACEMENT PARTS ACCORDING TO PARTS LIST, SECTION8

CAUTION

THE [ ] MARK INDICATES THE PRIMARY CIRCUIT TO DISTINGUISH THE PRIMARY FROM THE SECONDARY CIRCUIT.
PAY ATTENTION NOT TO RECEIVE AN ELECTRIC SHOCK DURING REPAIR AND SERVICE OF THE PRODUCTS.

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.

CONTENTS

OVERALL
OVERALL SCM001

MAIN
PREPROCESS (1/5) SCM002
PREPROCESS (2/5) SCM003
PREPROCESS (3/5) SCM004
PREPROCESS (4/5) SCM005
PREPROCESS (5/5) SCM006
DSP_ENC (1/6) SCM007
DSP_ENC (2/6) SCM008
DSP_ENC (3/6) SCM009
DSP_ENC (4/6) SCM010
DSP_ENC (5/6) SCM011
DSP_ENC (6/6) SCM012
VIDEO_ADC SCM013
VIDEO_OUT SCM014
VIDEO_PLD SCM015
VIDEO_EVR SCM016
VIDEO_GIPSY SCM017
VIDEO_POWER & CLK BUFF SCM018
AUDIO SCM019
AUDIO AGC SCM020
AUDIO D/A & LPF SCM021
AUDIO CUE SCM022
AUDIO OUT SCM023
VTR_SYSCON (1/6) SCM024
VTR_SYSCON (2/6) SCM025
VTR_SYSCON (3/6) SCM026
VTR_SYSCON (4/6) SCM027
VTR_SYSCON (5/6) SCM028
VTR_SYSCON (6/6) SCM029
CONNECTOR1 ..... SCM030
CONNECTOR2 ..... SCM031

REMOTE MAINTENANCE
REMOTE MAINTENANCE SCM032

VTR SUB
CONNECTOR SCM033
VIOLA SCM034
LUPIN SCM035
PINE++ SCM036
RF & AUDIO PLL SCM037
TC & ECU SCM038
26PIN & SYNC_GEN SCM039

RF&SERVO
SERVO uCOM SCM040
CYL/CAP DRIVE SCM041
REEL DRIVE SCM042
REEL FG/TENSION AMP SCM043
CONNECTER SCM044
MECA SW/LOADING DRIVE SCM045
SOL DRIVE SCM046
SW REG SCM047
SOL POWER SCM048
CTL AMP SCM049
H/R AMP SCM050

POWER
POWER (1/5) SCM051
POWER (2/5) SCM052
POWER (3/5) SCM053
POWER (4/5) SCM054
POWER (5/5) SCM055

R SIDE
R_SIDE SCM056

SCENE FILE
SCENE_FILE SCM057

AUTO IRIS
AUTO_IRIS SCM058

POWER SW
POWER_SW SCM058

LED
LED SCM059

TOGGLE SW
TOGGLE SW SCM059

MENU JOG
MENU_JOG SCM060

FRONT TOGGLE SW
FRONT TOGGLE SW SCM060

REAR JACK
REAR JACK SCM061

AV OUT
AV_OUT SCM062

FRONT MIC
FRONT_MIC SCM062

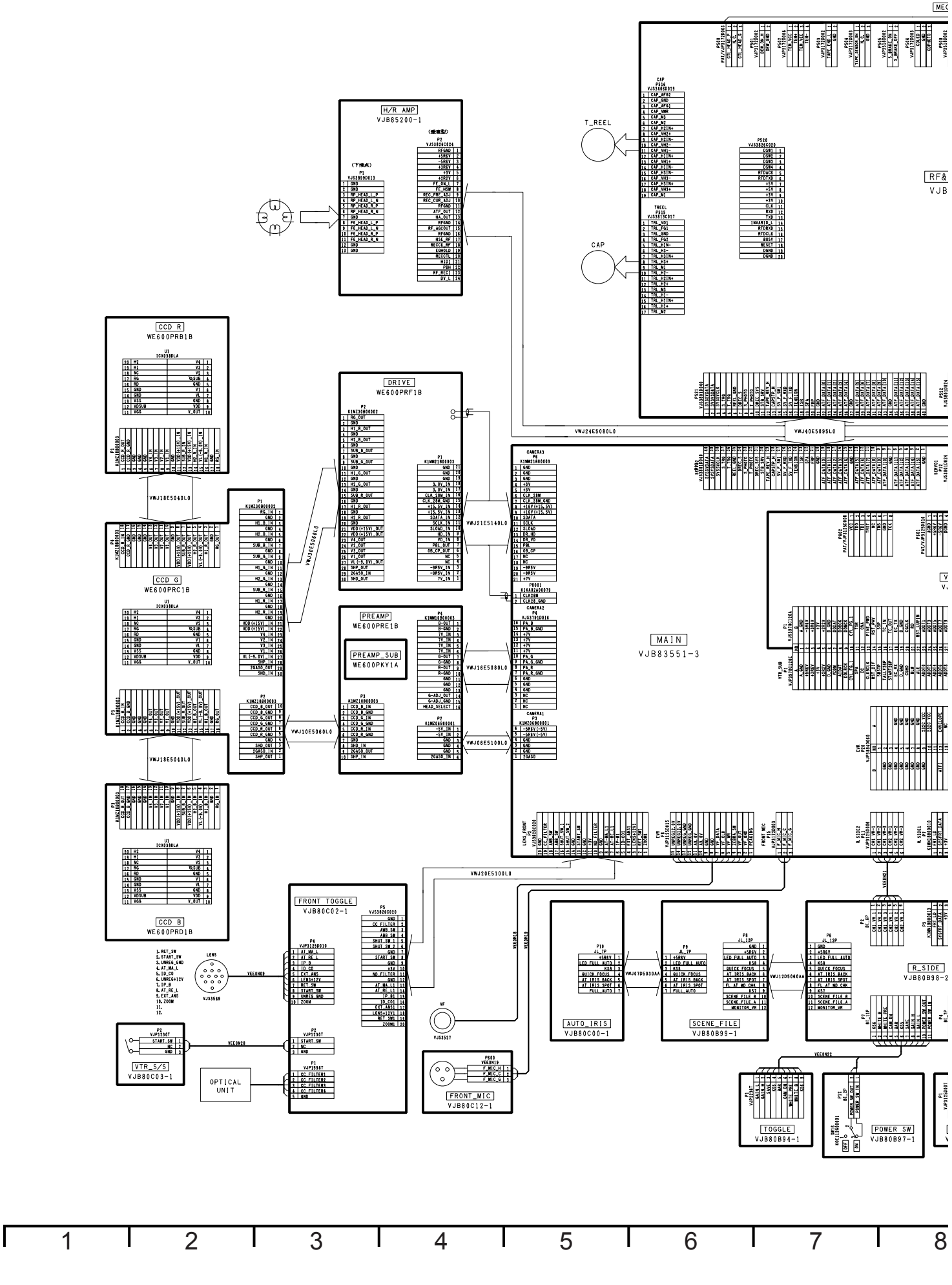
HEAD PHONE
HEAD PHONE SCM063

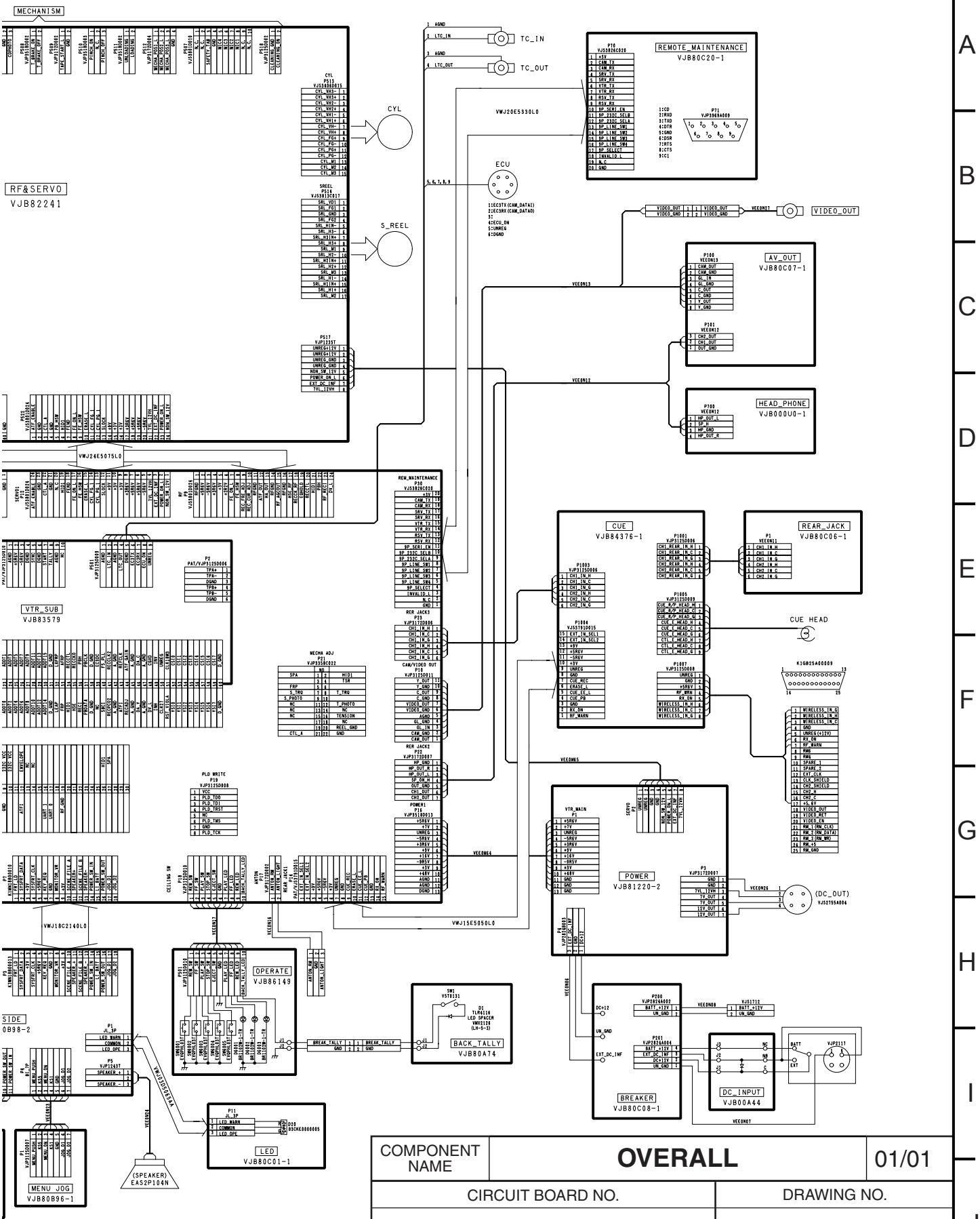
H/R AMP
FE SCM064
REC AMP SCM065
HEAD AMP SCM066
I/F & POWER SCM067

CUE
CUE (1/2) SCM068
CUE (2/2) SCM069

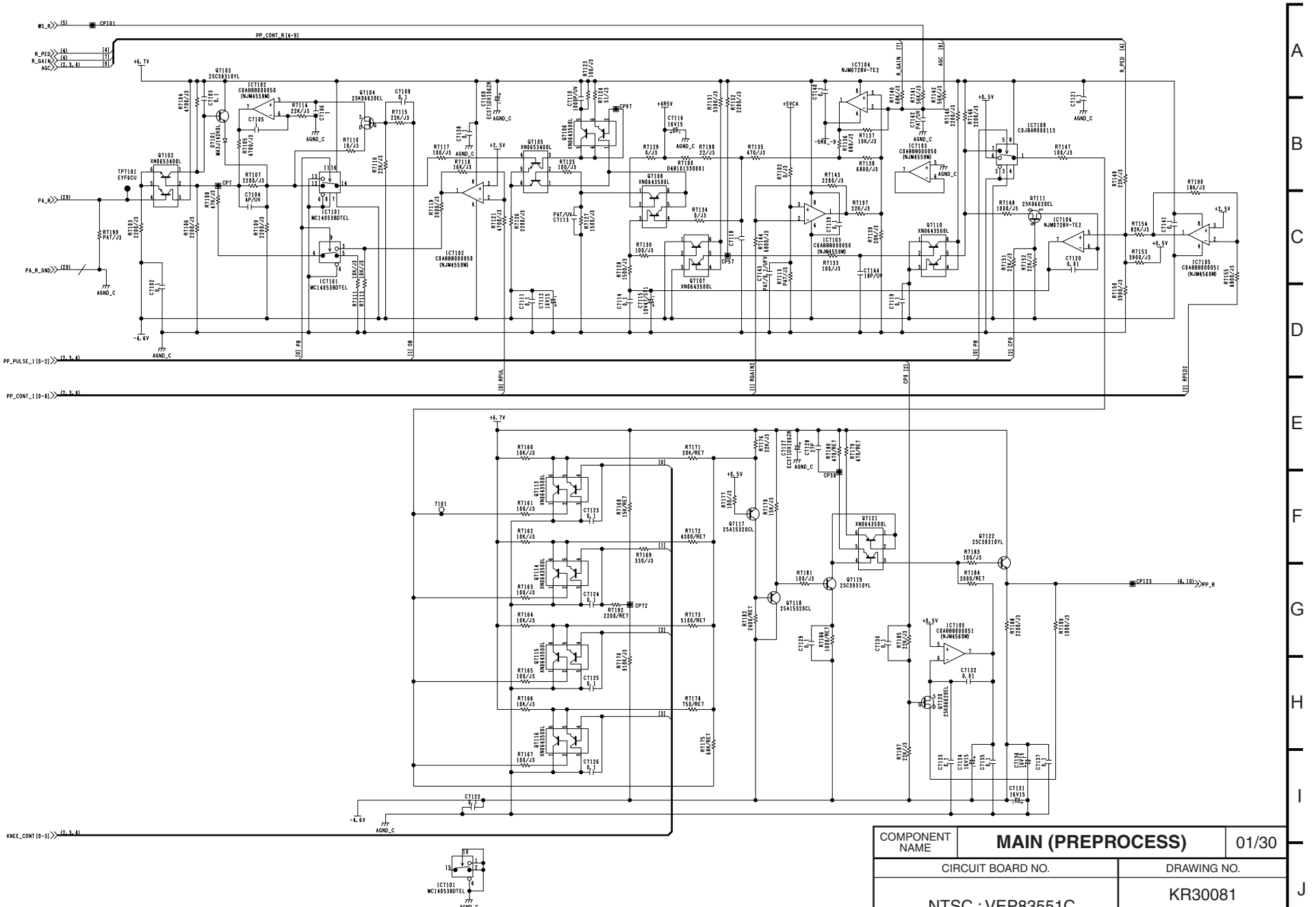
DRIVE
DRIVE SCM070

PREAMP
PREAMP SCM071

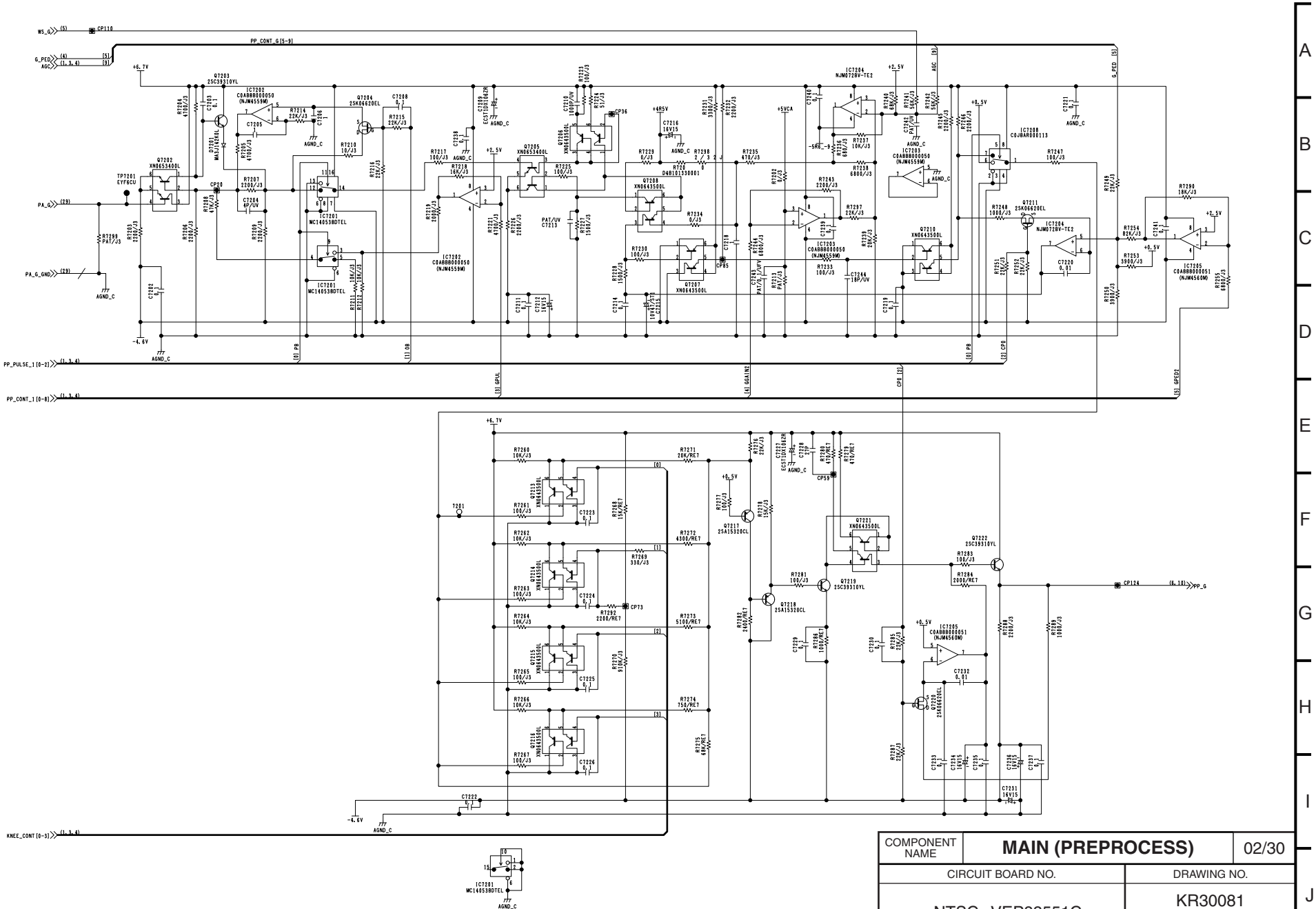

H/R AMP
VJB85200-1
T_REEL
CAP
MAIN
VJB83551-3
CCD R
WE600PRB1B
CCD G
WE600PRC1B
CCD B
WE600PRD1B
DRIVE
WE600PRF1B
PREAMP
WE600PRE1A
PREAMP_SUB
WE600PKY1A
FRONT TOGGLE
VJB80C02-1
VTR_S/S
VJB80C03-1
OPTICAL UNIT
AUTO_IRIS
VJB80C00-1
SCENE_FILE
VJB80B99-1
R_SIDE
VJB80B98-2
FRONT_MIC
VJB80C12-1
TOGGLE
VJB80B94-1
POWER SW
VJB80B97-1
VWJ24E5080L0
VWJ40E5095L0
VWJ21E5140L0
VWJ36E5060L0
VWJ16E5080L0
VWJ06E5100L0
VWJ10E5060L0
VWJ18E5040L0
VWJ20E5100L0
VWJ12D5060AA
VWJ07D5030AA
VEE0N09
VEE0N08
VEE0N07
VEE0N03
VEE0N28
VEE0N10
LENS
VJ53549
VF
VJ53527



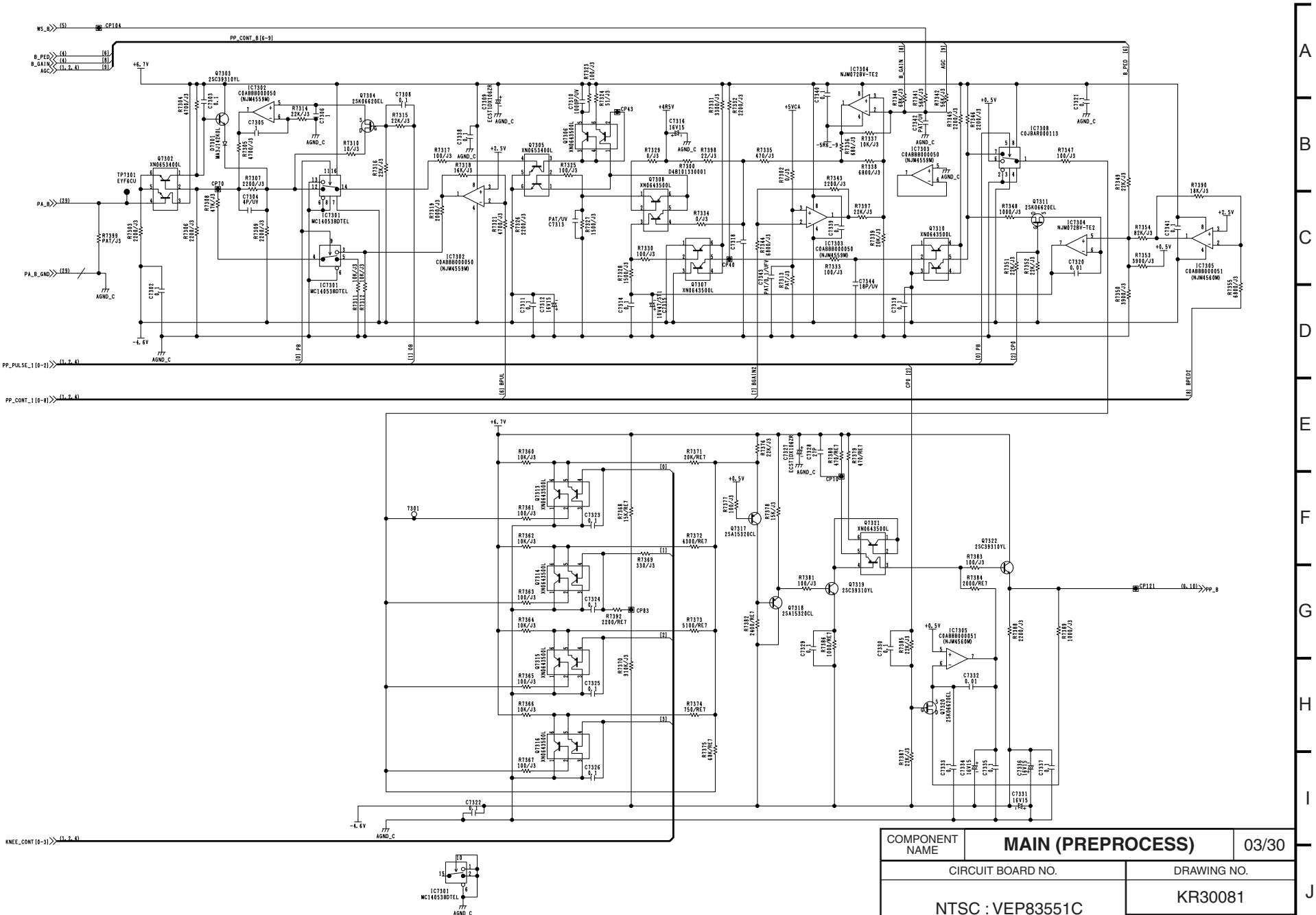
COMPONENT NAME	OVERALL	01/01
CIRCUIT BOARD NO.	DRAWING NO.	
	KR9J97	
	SCM001	



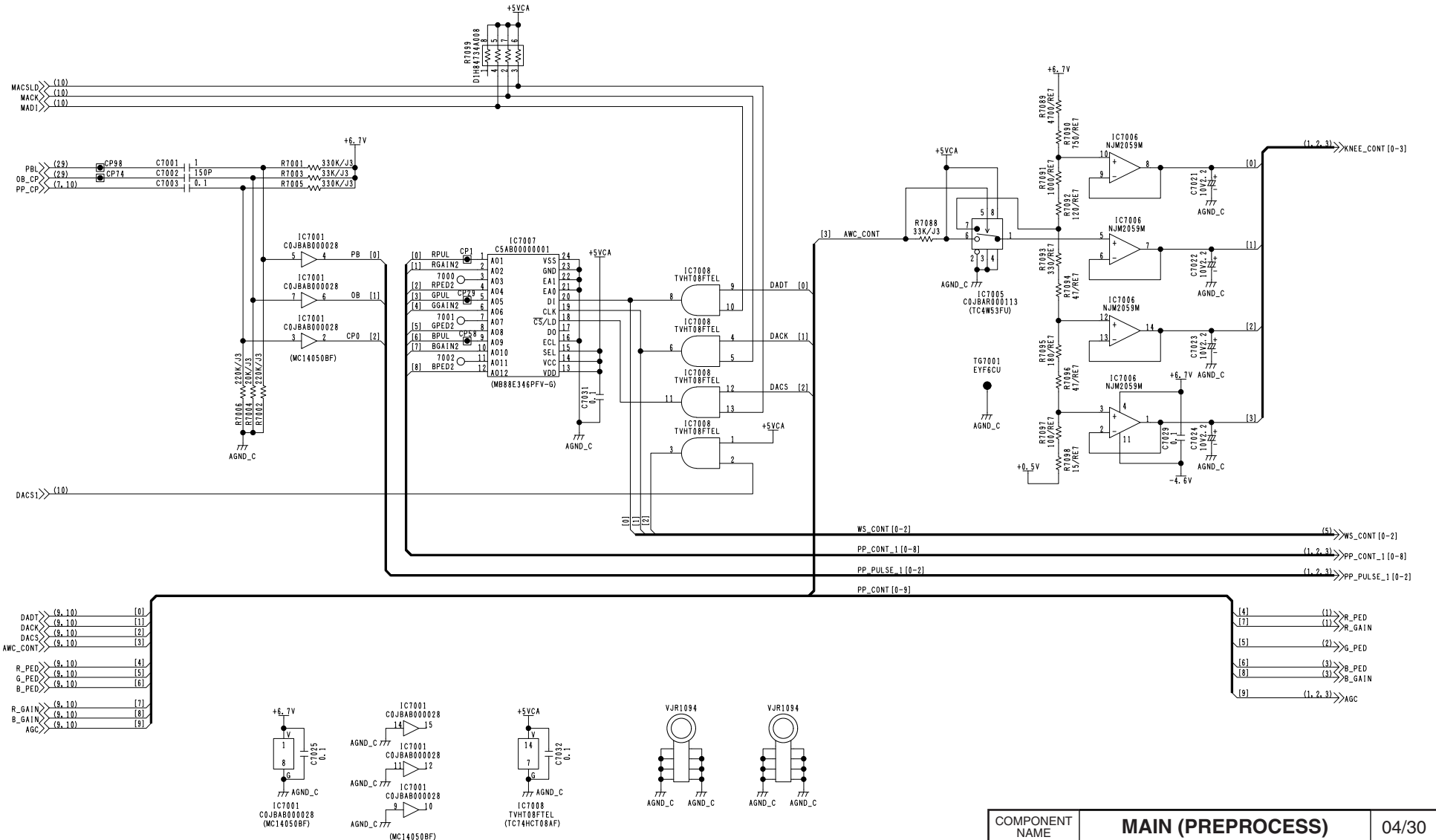
COMPONENT NAME	**MAIN (PREPROCESS)**	01/30
CIRCUIT BOARD NO.		DRAWING NO.
NTSC : VEP83551C		KR30081
		SCM002



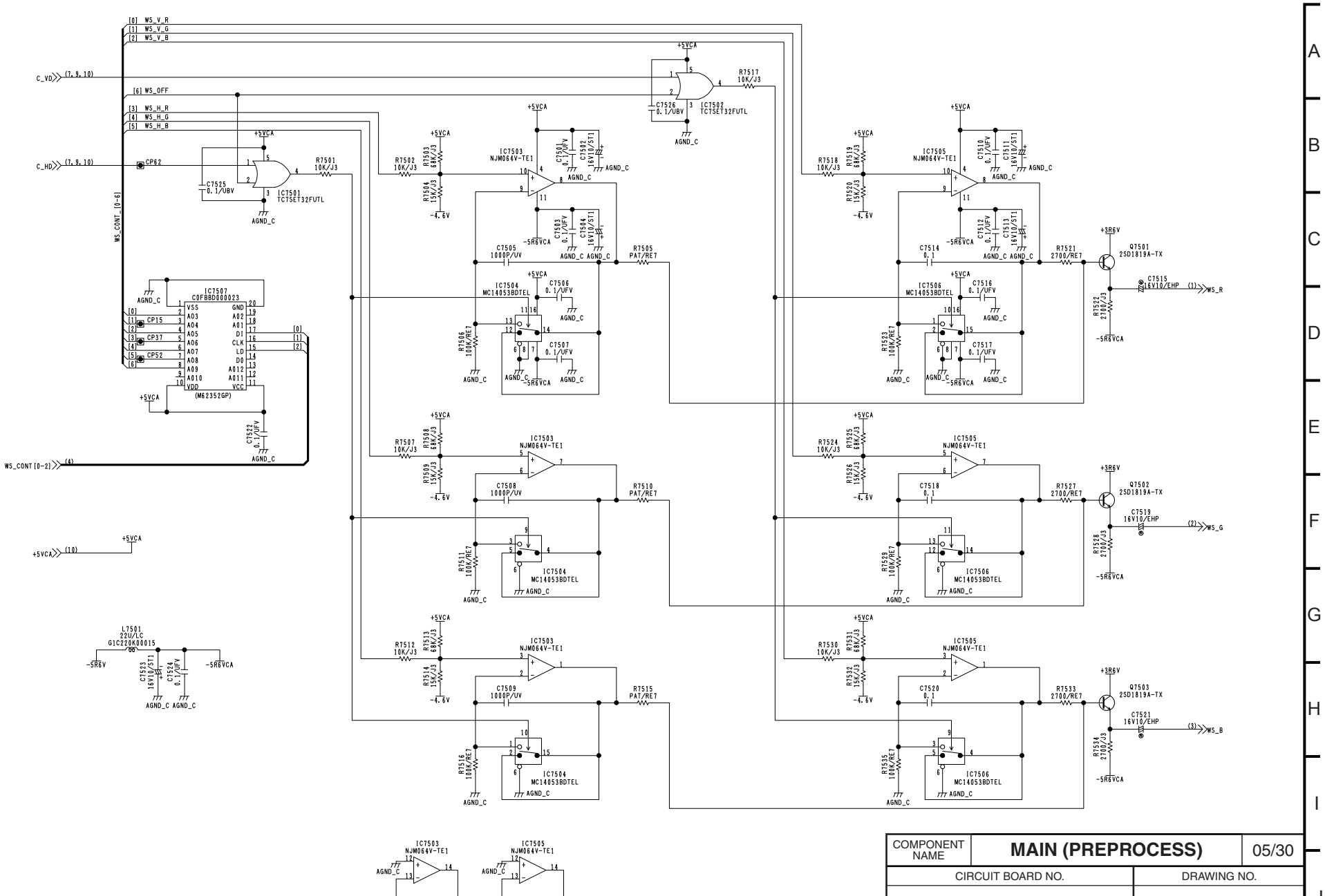
COMPONENT NAME	MAIN (PREPROCESS)	02/30
CIRCUIT BOARD NO.		DRAWING NO.
NTSC : VEP83551C		KR30081
		SCM003



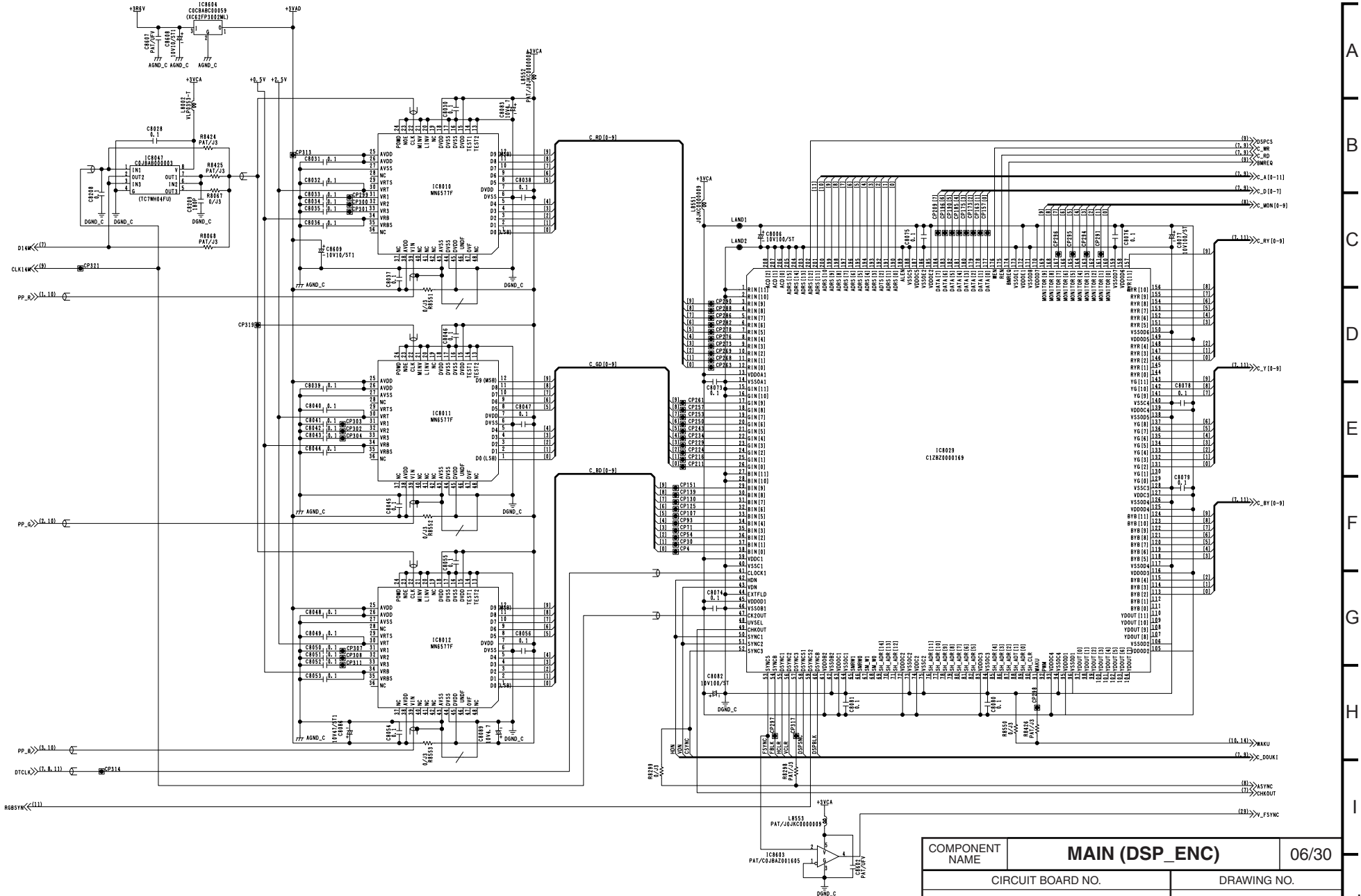
COMPONENT NAME	MAIN (PREPROCESS)	03/30
CIRCUIT BOARD NO.		DRAWING NO.
NTSC : VEP83551C		KR30081
		SCM004



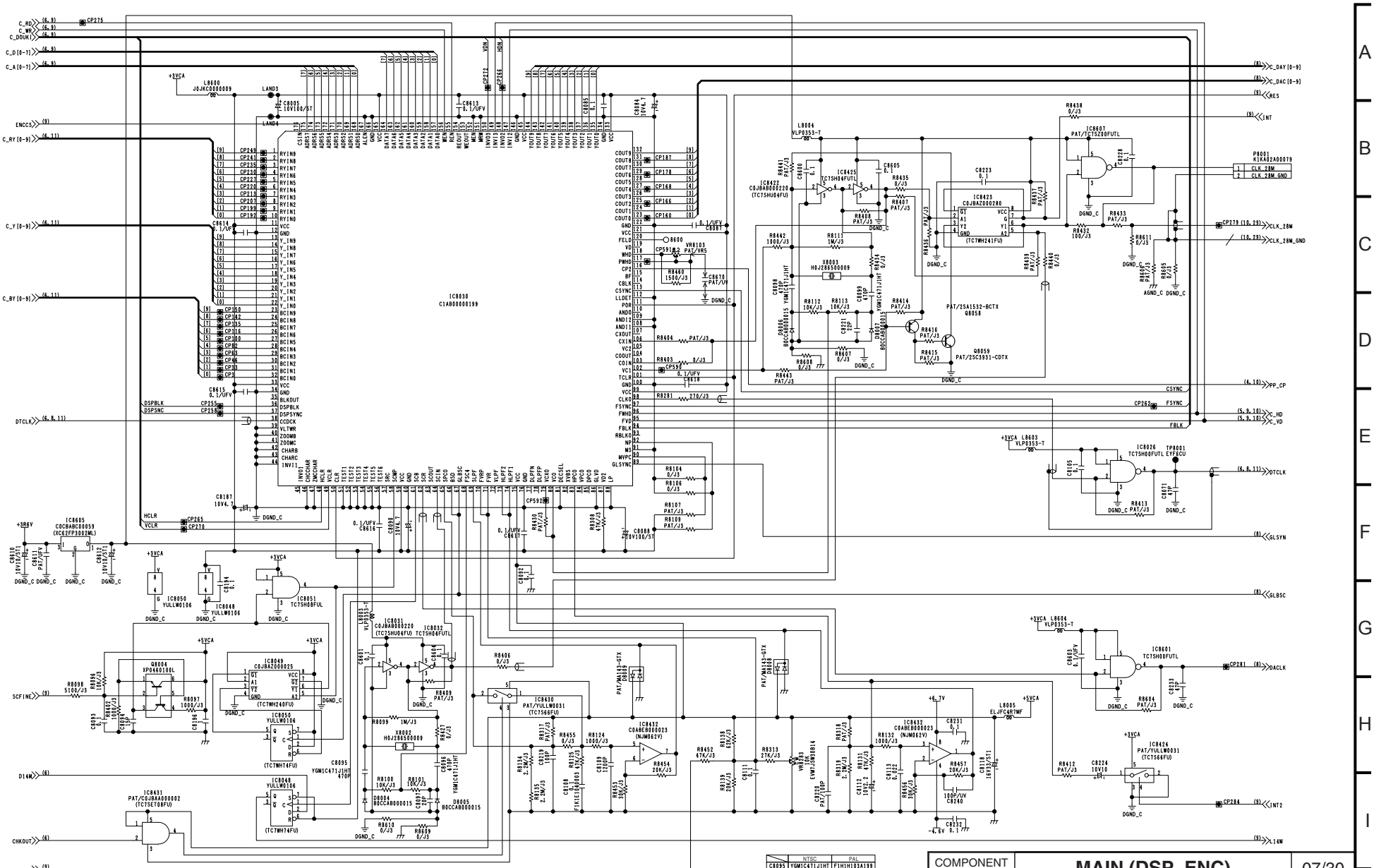
COMPONENT NAME	MAIN (PREPROCESS)	04/30
CIRCUIT BOARD NO.		DRAWING NO.
NTSC : VEP83551C		KR30081
		SCM005



COMPONENT NAME	MAIN (PREPROCESS)	05/30
CIRCUIT BOARD NO.		DRAWING NO.
NTSC : VEP83551C		KR30081
		SCM006



COMPONENT NAME	MAIN (DSP_ENC)	06/30
CIRCUIT BOARD NO.		DRAWING NO.
NTSC : VEP83551C		KR30081
		SCM007



	NTSC	PAL
IC8424	PAT	YULLW0031
IC8430	PAT	YULLW0031
IC8431	PAT	C0JBAA000002

	NTSC	PAL
X8002	H0J286500009	H0J171500009
X8003	H0J286500009	H0J283500009

	NTSC	PAL
VR8103	PAT/VR5	EVM7JSW30B13

	NTSC	PAL
R8106	0/J3	PAT/J3
R8109	PAT/J3	0/J3
R8124	1000/J3	470/J3
R8125	47K/J3	18K/J3
R8133	27K/J3	18K/J3
R8319	22M(1/10W)	PAT/J3

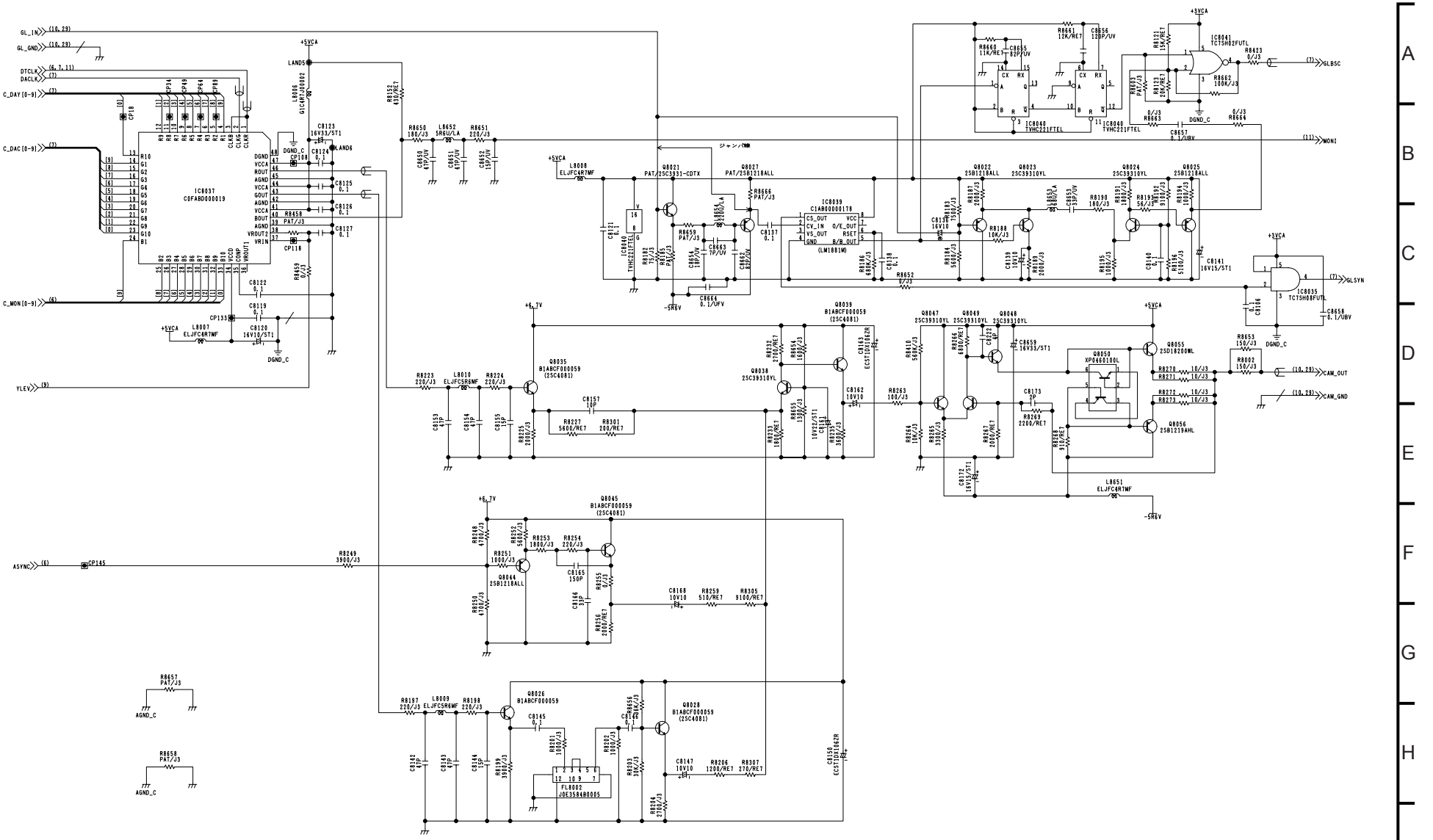
	NTSC	PAL
R8404	PAT/J3	0/J3
R8406	0/J3	PAT/J3
R8407	PAT/J3	0/J3
R8430	PAT/J3	0/J3
R8435	0/J3	PAT/J3
R8436	0/J3	PAT/J3

	NTSC	PAL
R8437	PAT/J3	0/J3
R8438	0/J3	PAT/J3
R8439	PAT/J3	0/J3
R8440	0/J3	PAT/J3
R8442	1000/J3	PAT/J3
R8455	0/J3	PAT/J3

	NTSC	PAL
R8457	20K/J3	10K/J3
R8460	150K/J3	PAT/J3
R8138	62K/J3	PAT/J3
R8139	20K/J3	15K/J3
R8412	PAT/J3	330/J3

	NTSC	PAL
C8095	YGM1C471J1HT	F1H1H103A199
C8096	YGM1C471J1HT	F1H1H103A199
C8097	F1H1H200A004	F1H1H330A231
C8108	F1K1E1040003	K218A1R6R
C8113	F1H1E223A002	F1H1H103A190
C8220	F1H1H101A231	PAT
C8221	F1H1H220A231	F1H1H390A231
C8224	PAT	F5F1A104G01
C8670	PAT/UV	100P/UV

COMPONENT NAME	MAIN (DSP_ENC)	07/30
CIRCUIT BOARD NO.		DRAWING NO.
NTSC : VEP83551C		KR30081
		SCM008

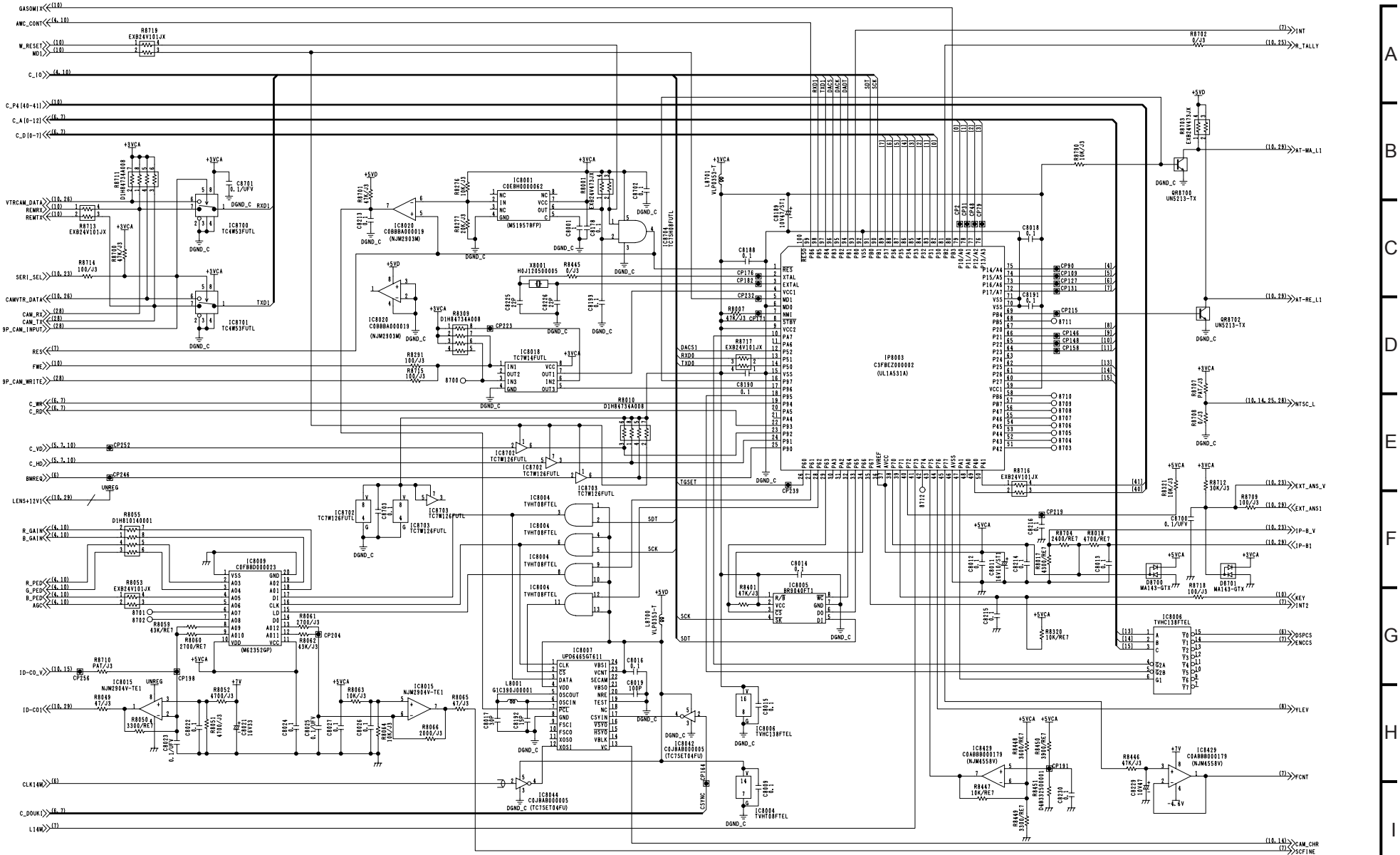


	NTSC	PAL
C8166	F1H1H330A231	F1H1H560A231

	NTSC	PAL
R8254	220/J3	180/J3
R8259	390/RE7	0/J3
R8301	200/RE7	330/J3

	NTSC	PAL
FL8001	J0HABY000003	J0HABY000004
FL8002	J0E35B4B0005	J0E4434B0005

COMPONENT NAME	MAIN (DSP_ENC)	08/30
CIRCUIT BOARD NO.		DRAWING NO.
NTSC : VEP83551C		KR30081
		SCM009

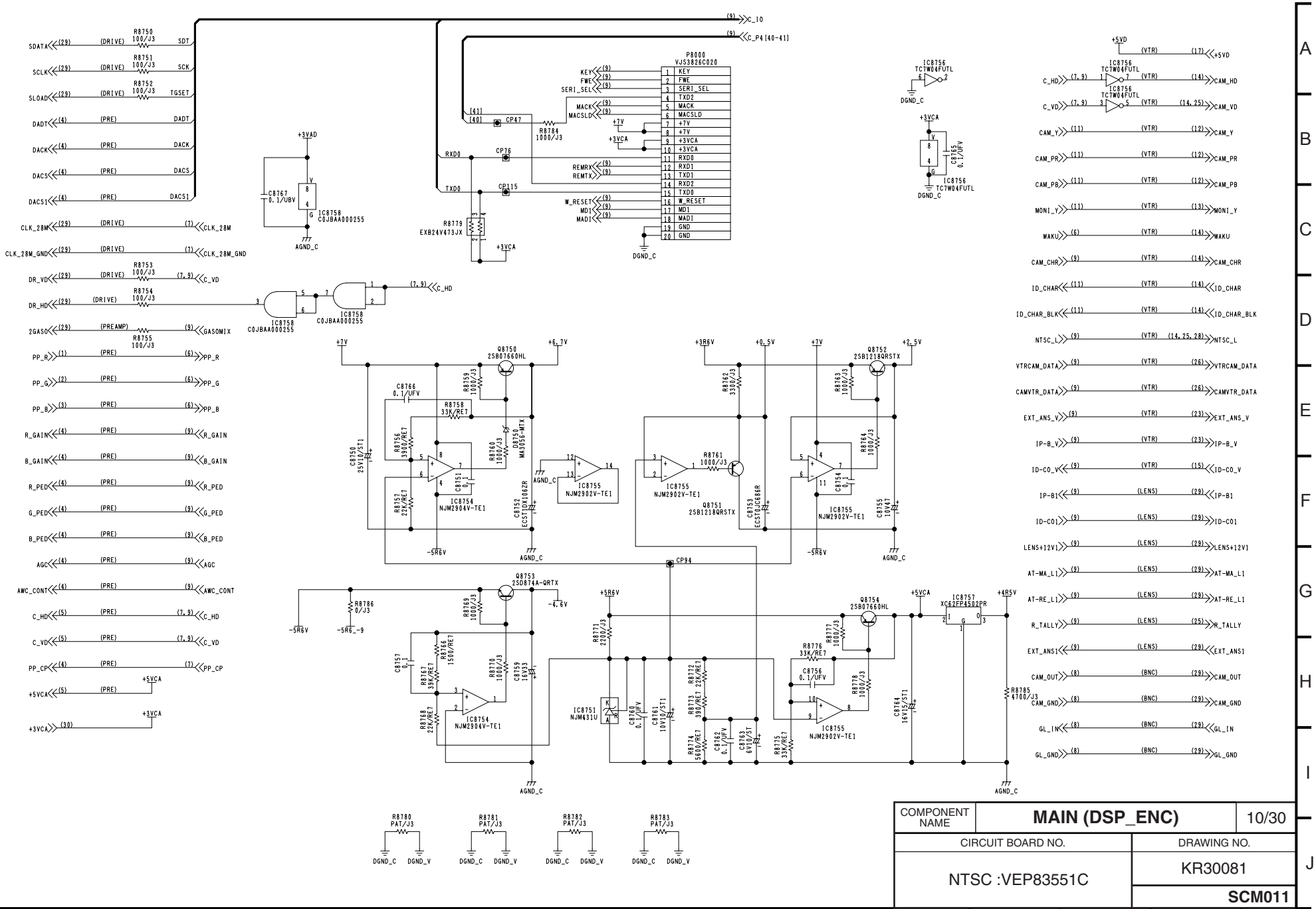


	NTSC	PAL
R8707	PAT/J3	0/J3
R8708	0/J3	PAT/J3

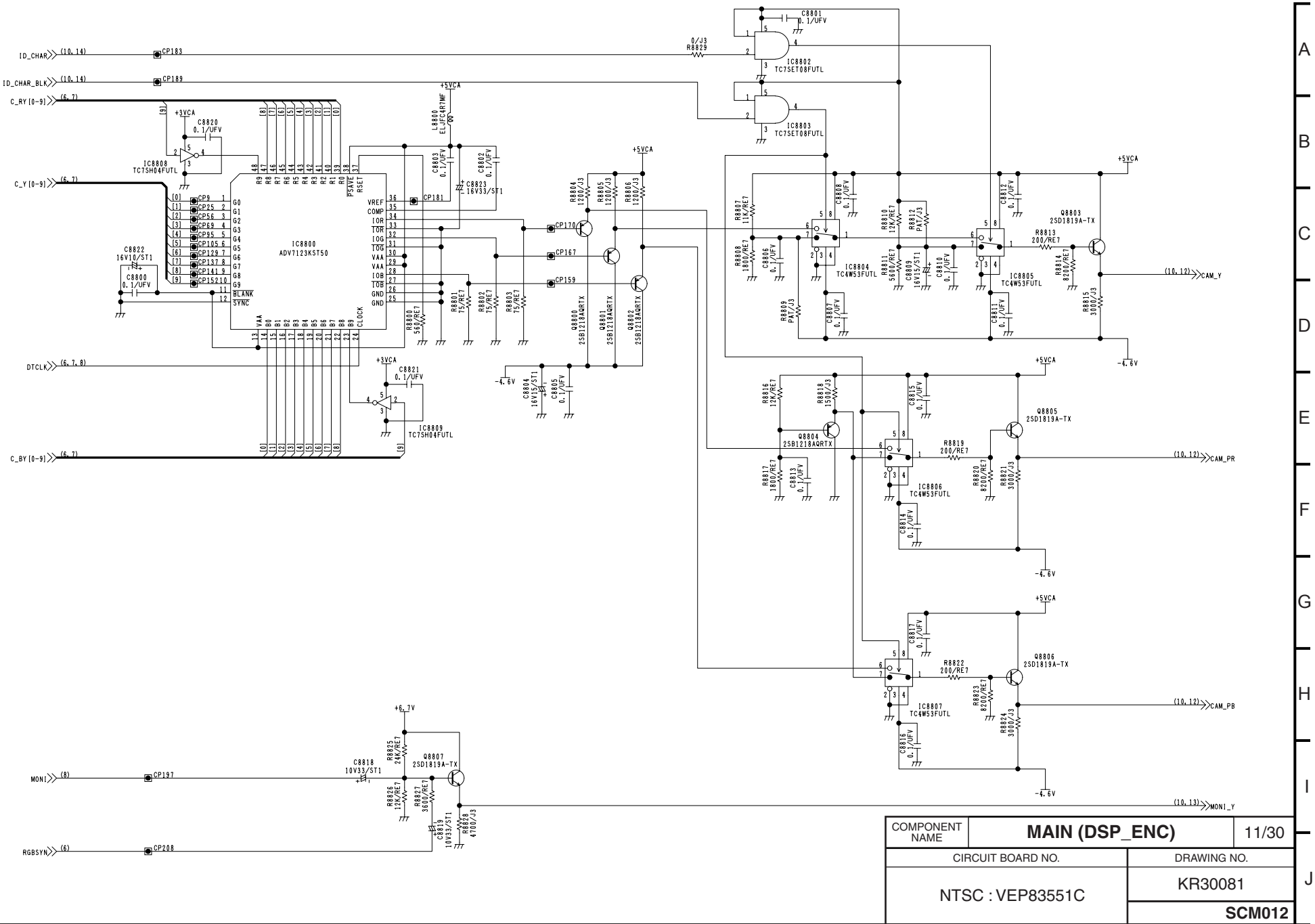
COMPONENT NAME	MAIN (DSP_ENC)	09/30
CIRCUIT BOARD NO.		DRAWING NO.
NTSC : VEP83551C		KR30081
		SCM010

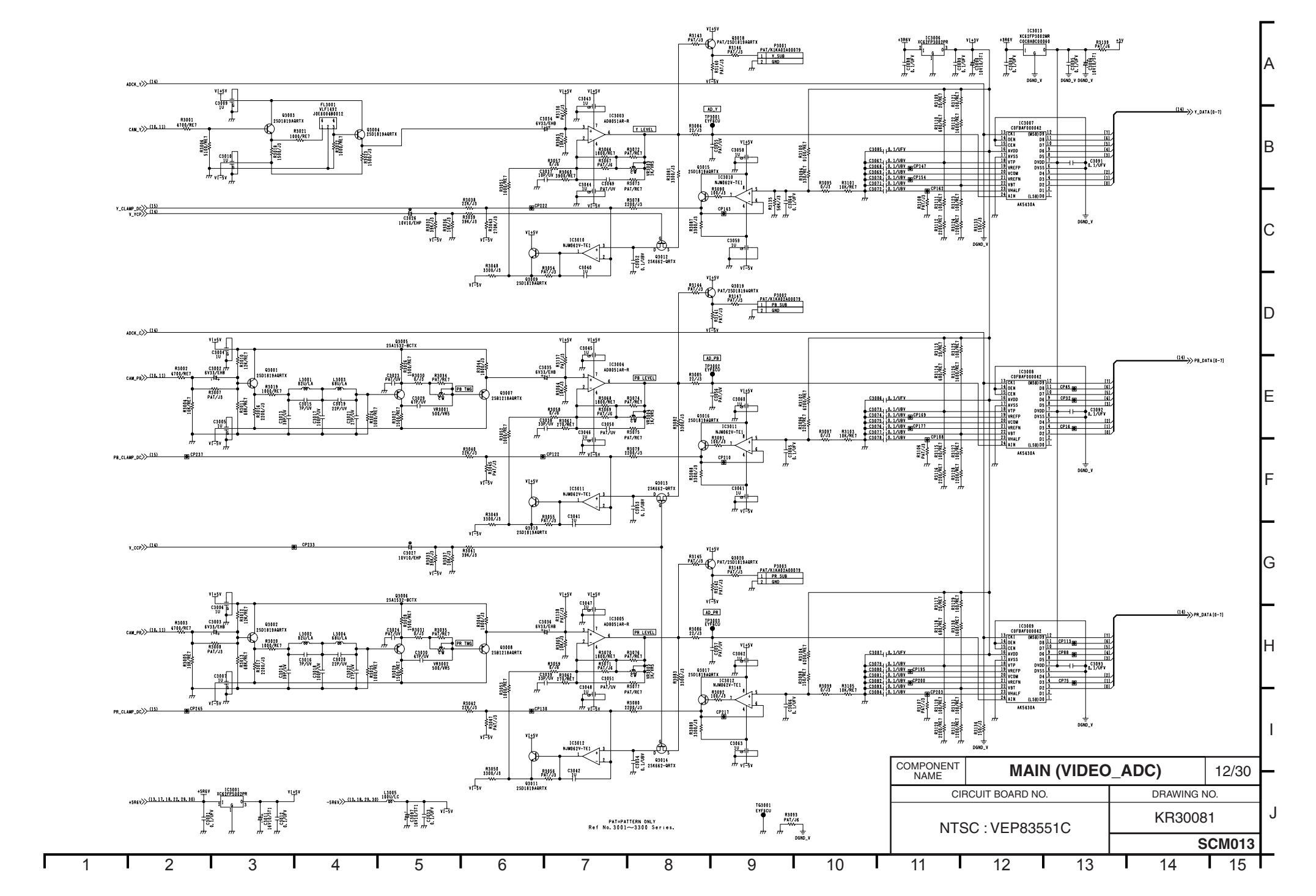
A B C D E F G H I J

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

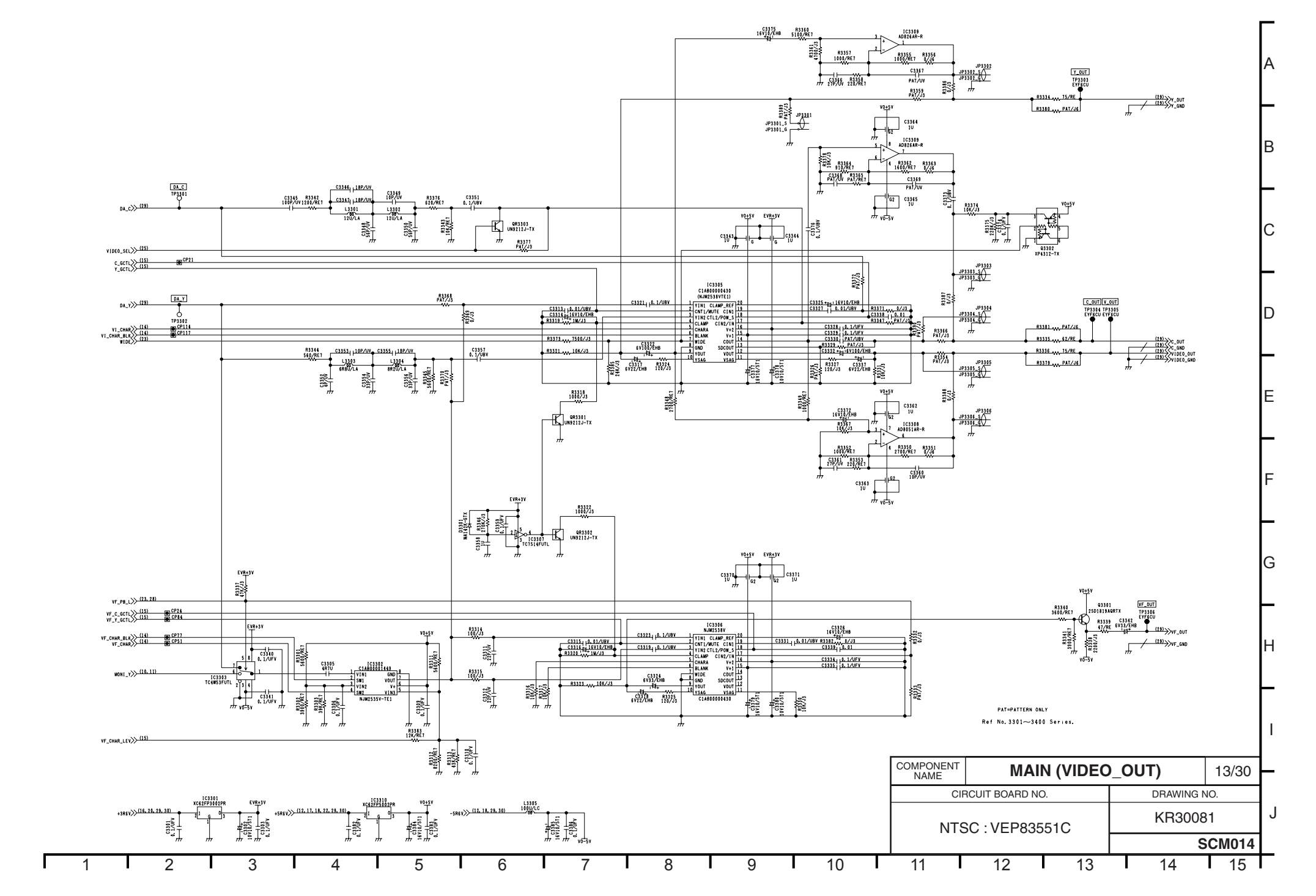


COMPONENT NAME	**MAIN (DSP_ENC)**	10/30
CIRCUIT BOARD NO.		DRAWING NO.
NTSC :VEP83551C		KR30081
		SCM011

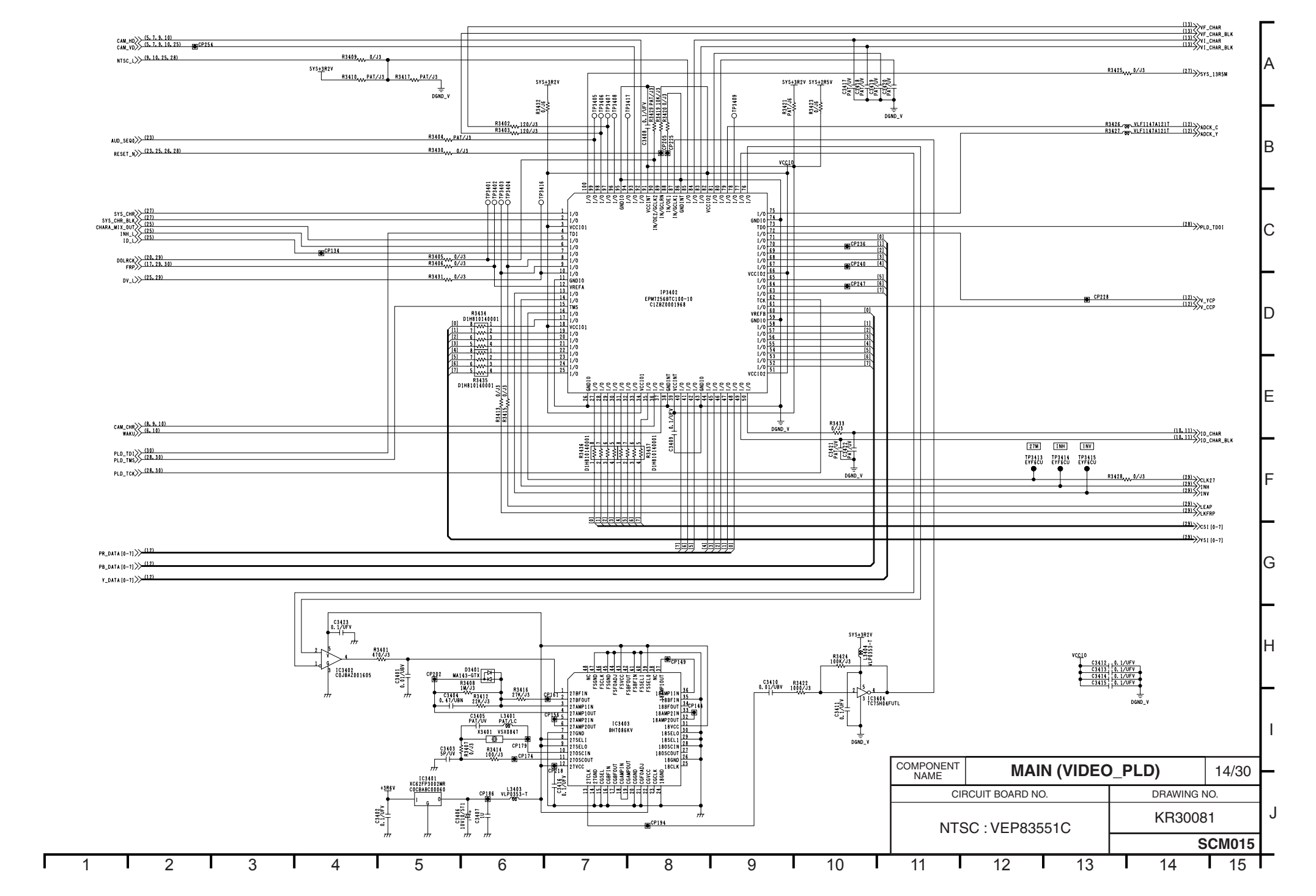

ID_CHAR
ID_CHAR_BLK
C_RY [0-9]
C_Y [0-9]
C_BY [0-9]
DTCLK
RGBSYN
MONI
IC8800 ADV7123KST50
IC8801 0.1/UFV
IC8802 TC7SET08FUTL
IC8803 TC7SET08FUTL
IC8804 TC4W53FUTL
IC8805 TC4W53FUTL
IC8806 TC4W53FUTL
IC8807 TC4W53FUTL
IC8808 TC7SH04FUTL
IC8809 TC7SH04FUTL
Q8800 2SB1218A4QRTX
Q8801 2SB1218A4QRTX
Q8802 2SB1218A4QRTX
Q8803 2SD1819A-TX
Q8804 2SB1218AQRTX
Q8805 2SD1819A-TX
Q8806 2SD1819A-TX
Q8807 2SD1819A-TX
+5VCA
+3VCA
+6.7V
-4.6V
CAM_Y
CAM_PR
CAM_PB
MONI_Y
COMPONENT NAME
MAIN (DSP_ENC)
11/30
CIRCUIT BOARD NO.
NTSC : VEP83551C
DRAWING NO.
KR30081
SCM012



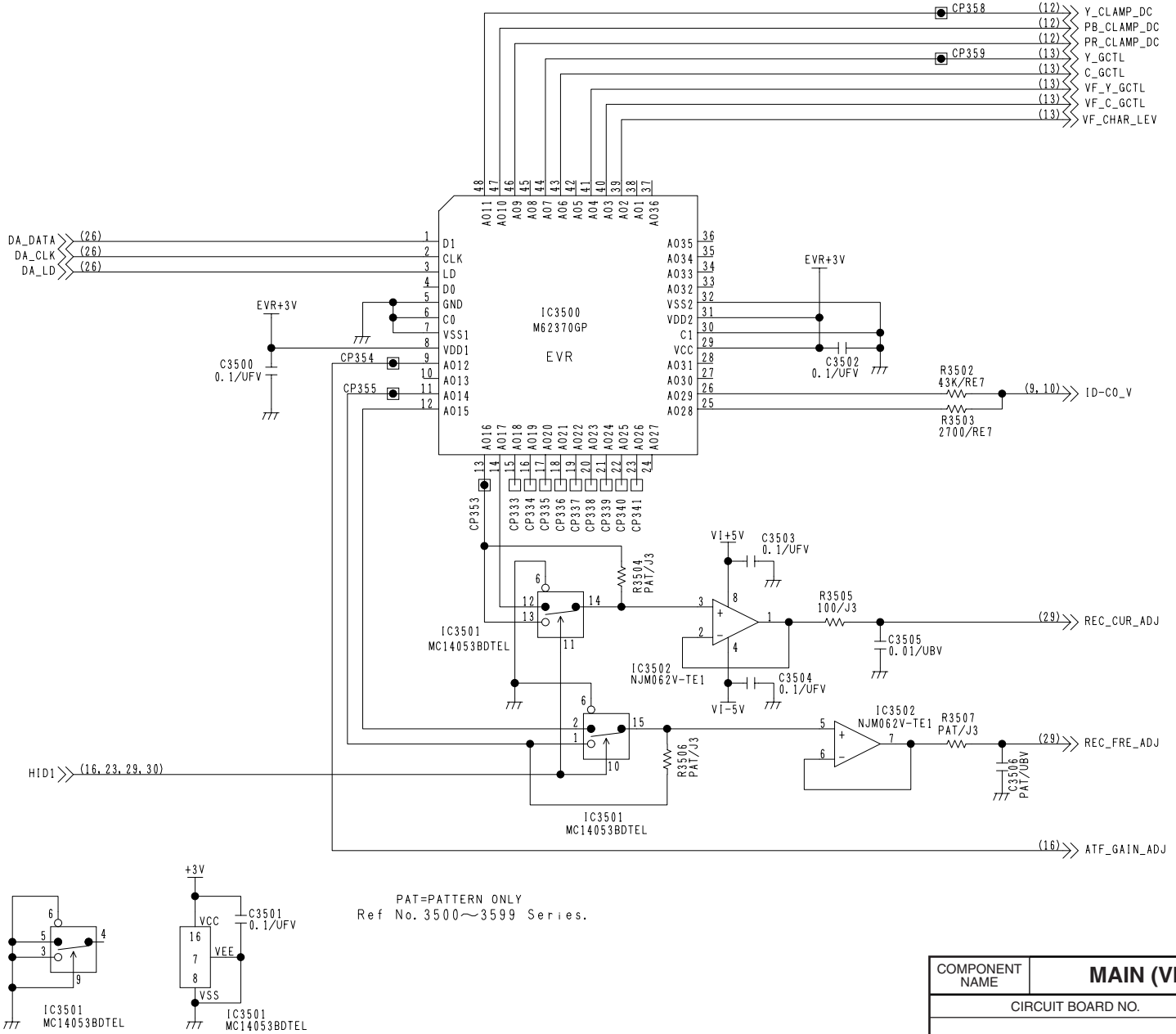
COMPONENT NAME	MAIN (VIDEO_ADC)	12/30
CIRCUIT BOARD NO.		DRAWING NO.
NTSC : VEP83551C		KR30081
		SCM013



COMPONENT NAME	MAIN (VIDEO_OUT)	13/30
CIRCUIT BOARD NO.		DRAWING NO.
NTSC : VEP83551C		KR30081
		SCM014

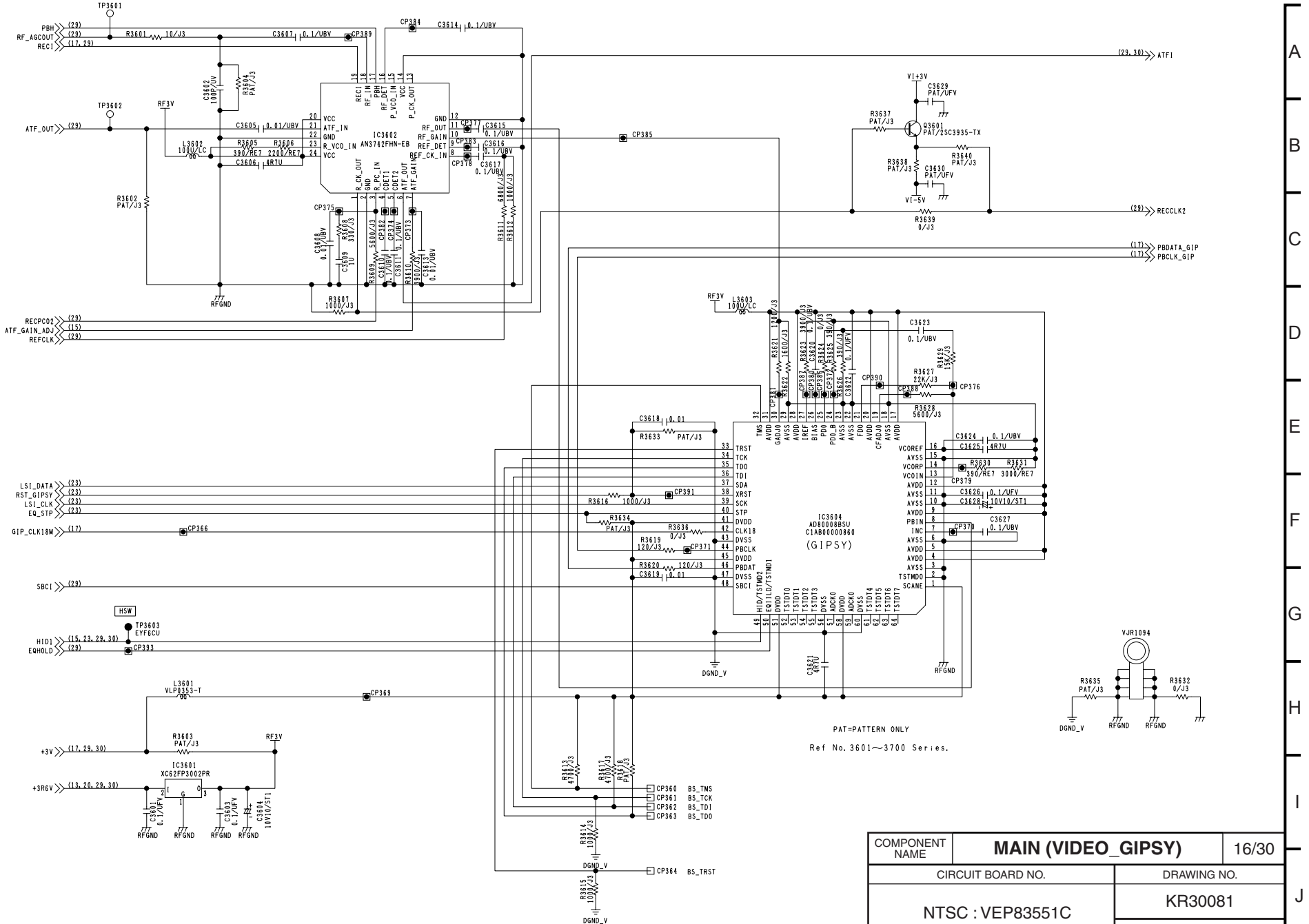


COMPONENT NAME	**MAIN (VIDEO_PLD)**	14/30
CIRCUIT BOARD NO.	DRAWING NO.	
NTSC : VEP83551C	KR30081	
	SCM015	



PAT=PATTERN ONLY
Ref No. 3500～3599 Series.

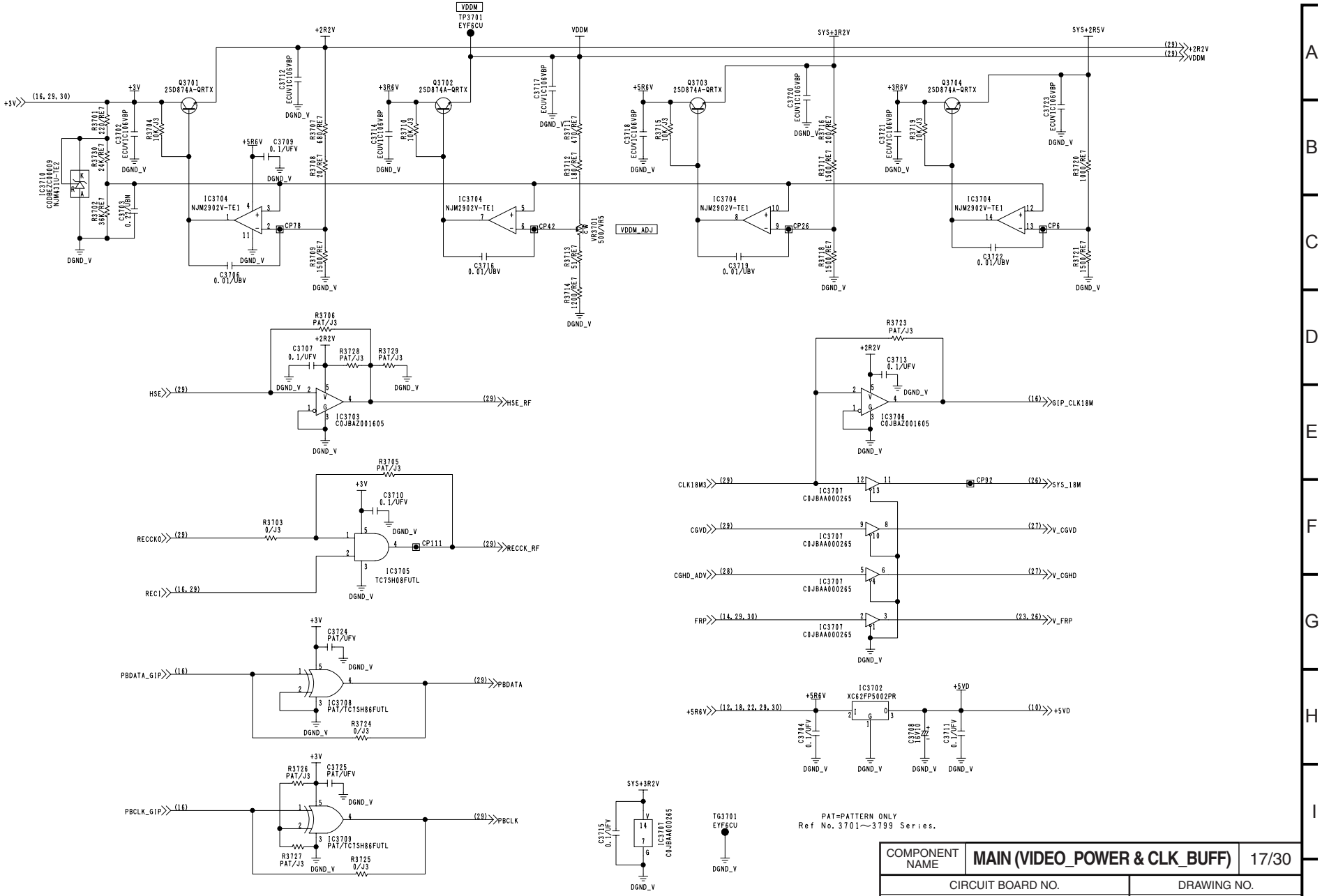
COMPONENT NAME	**MAIN (VIDEO_EVR)**	15/30
CIRCUIT BOARD NO.		DRAWING NO.
NTSC : VEP83551C		KR30081
		SCM016



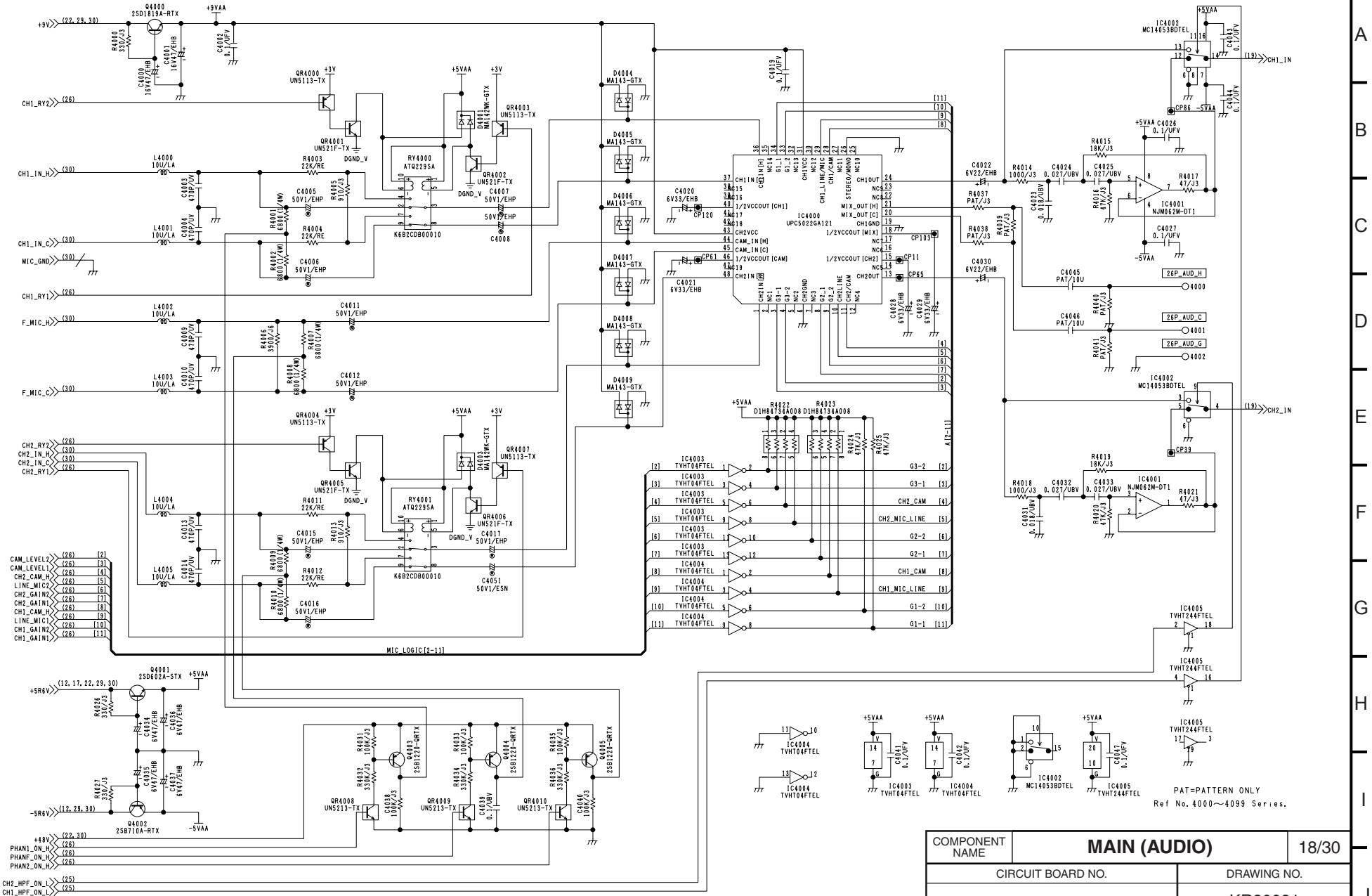
COMPONENT NAME	MAIN (VIDEO_GIPSY)	16/30
CIRCUIT BOARD NO.		DRAWING NO.
NTSC : VEP83551C		KR30081
		SCM017

A B C D E F G H I J

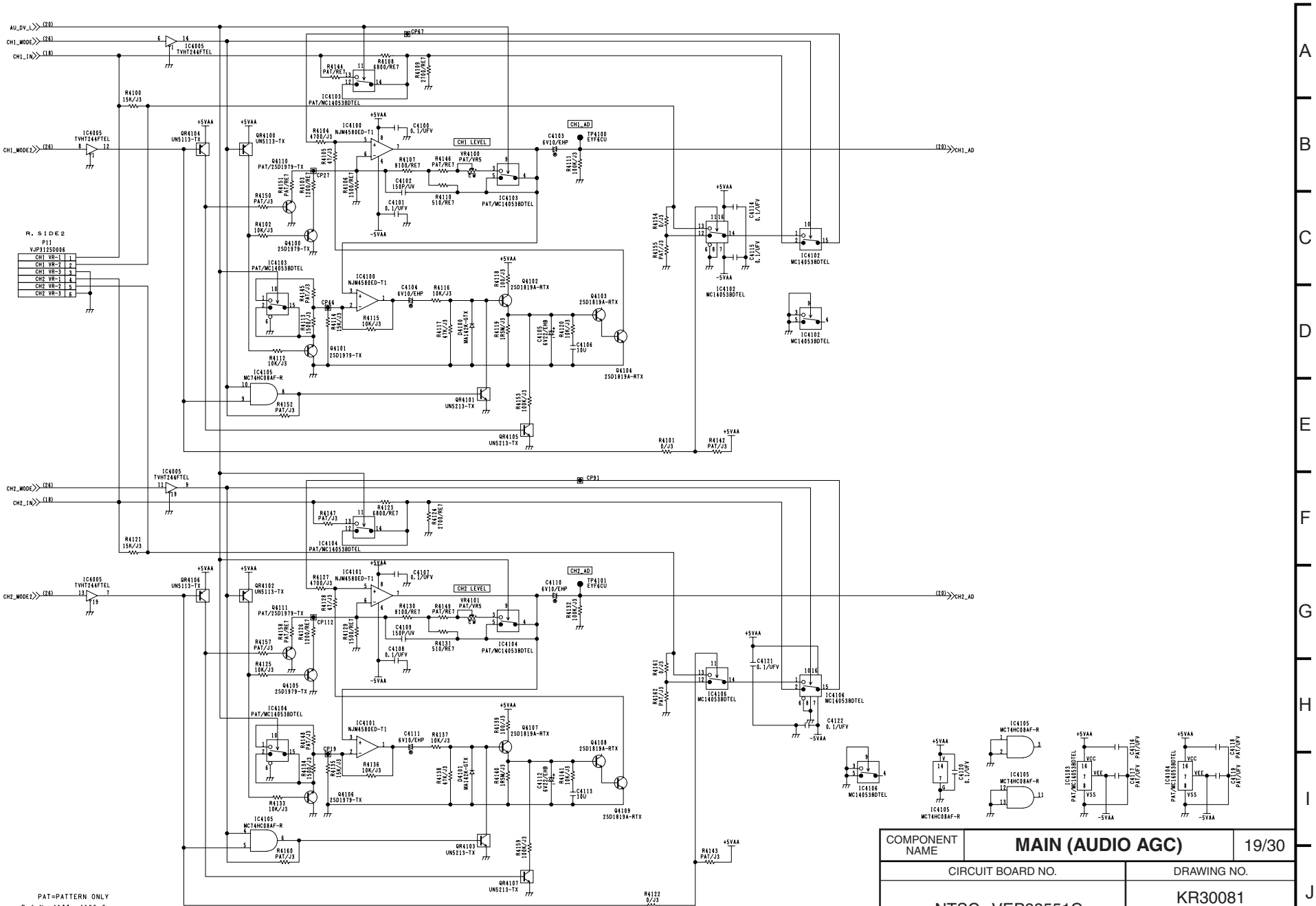
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15



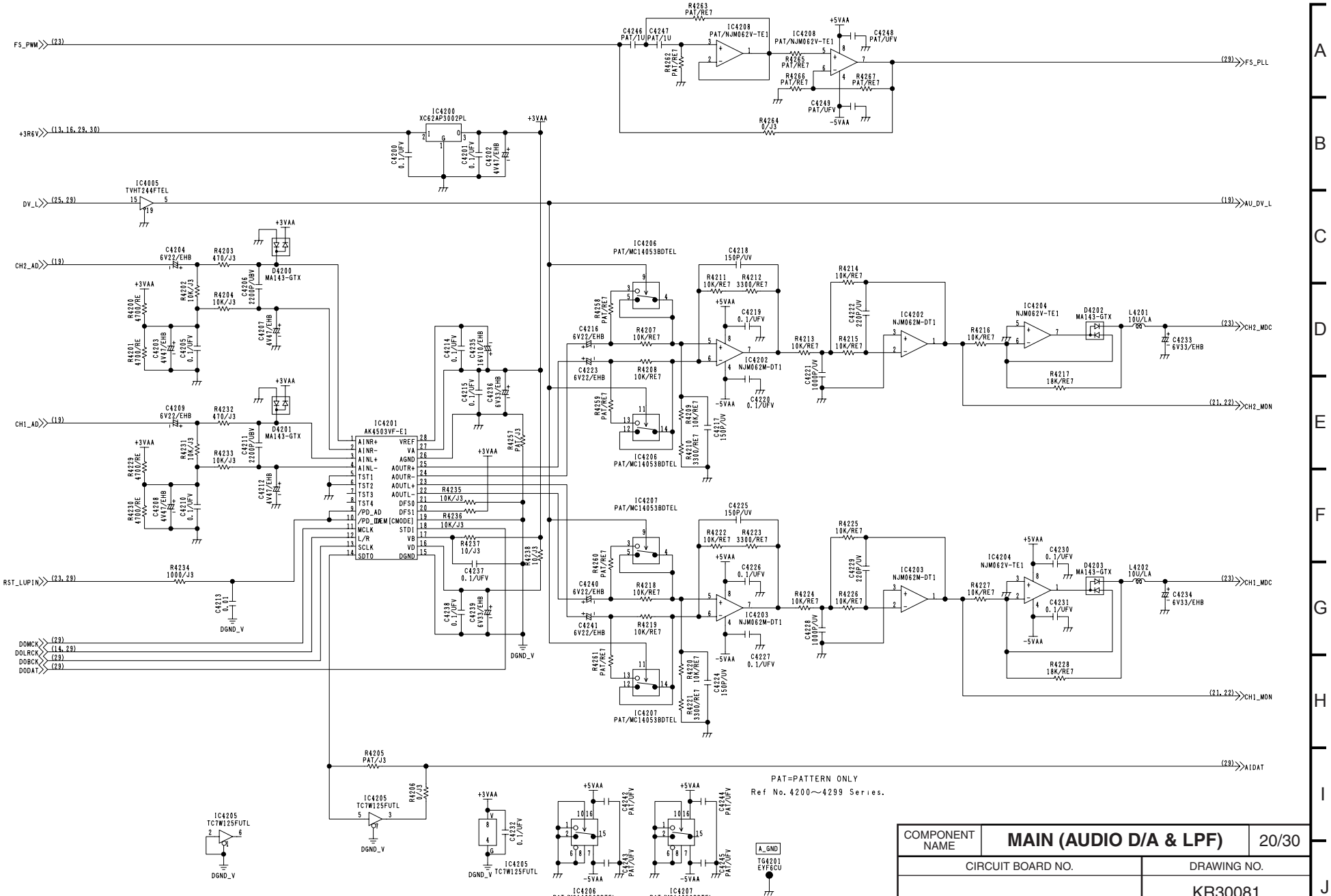
COMPONENT NAME	**MAIN (VIDEO_POWER & CLK_BUFF)**	17/30
CIRCUIT BOARD NO.		DRAWING NO.
NTSC : VEP83551C		KR30081
		SCM018

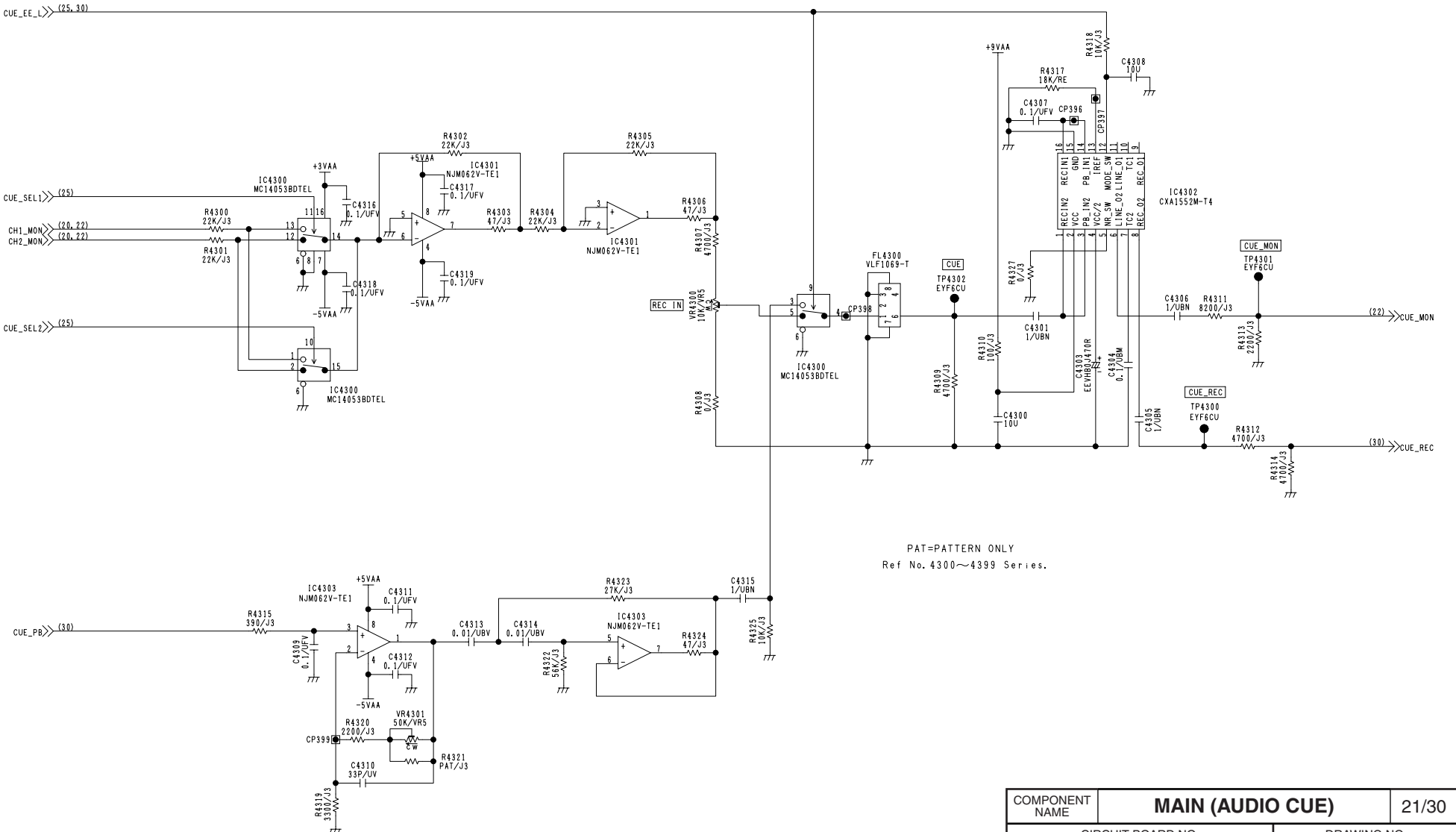


COMPONENT NAME	**MAIN (AUDIO)**	18/30
CIRCUIT BOARD NO.		DRAWING NO.
NTSC : VEP83551C		KR30081
		SCM019

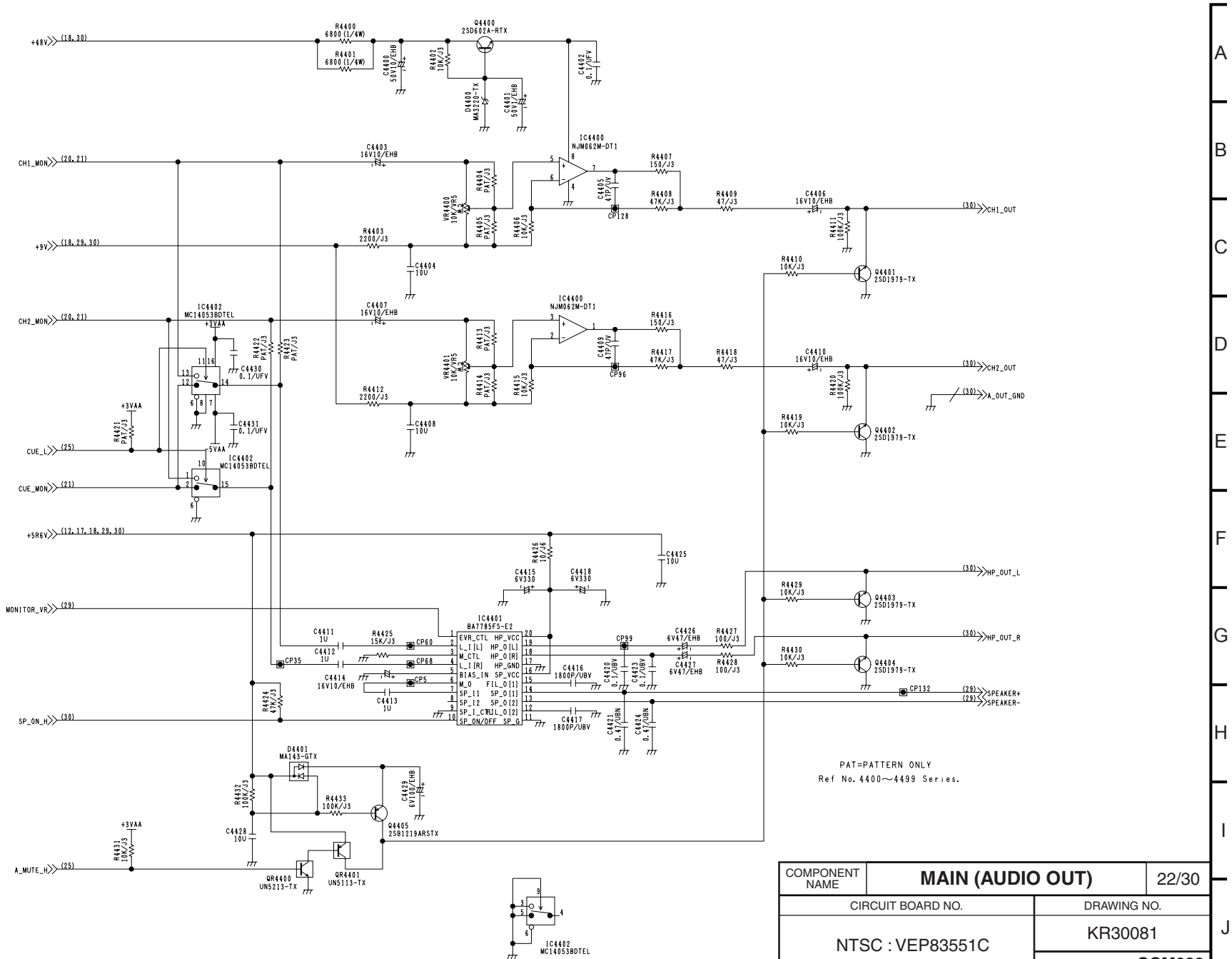


COMPONENT NAME	**MAIN (AUDIO AGC)**	19/30
CIRCUIT BOARD NO.	DRAWING NO.	
NTSC : VEP83551C	KR30081	
	SCM020	

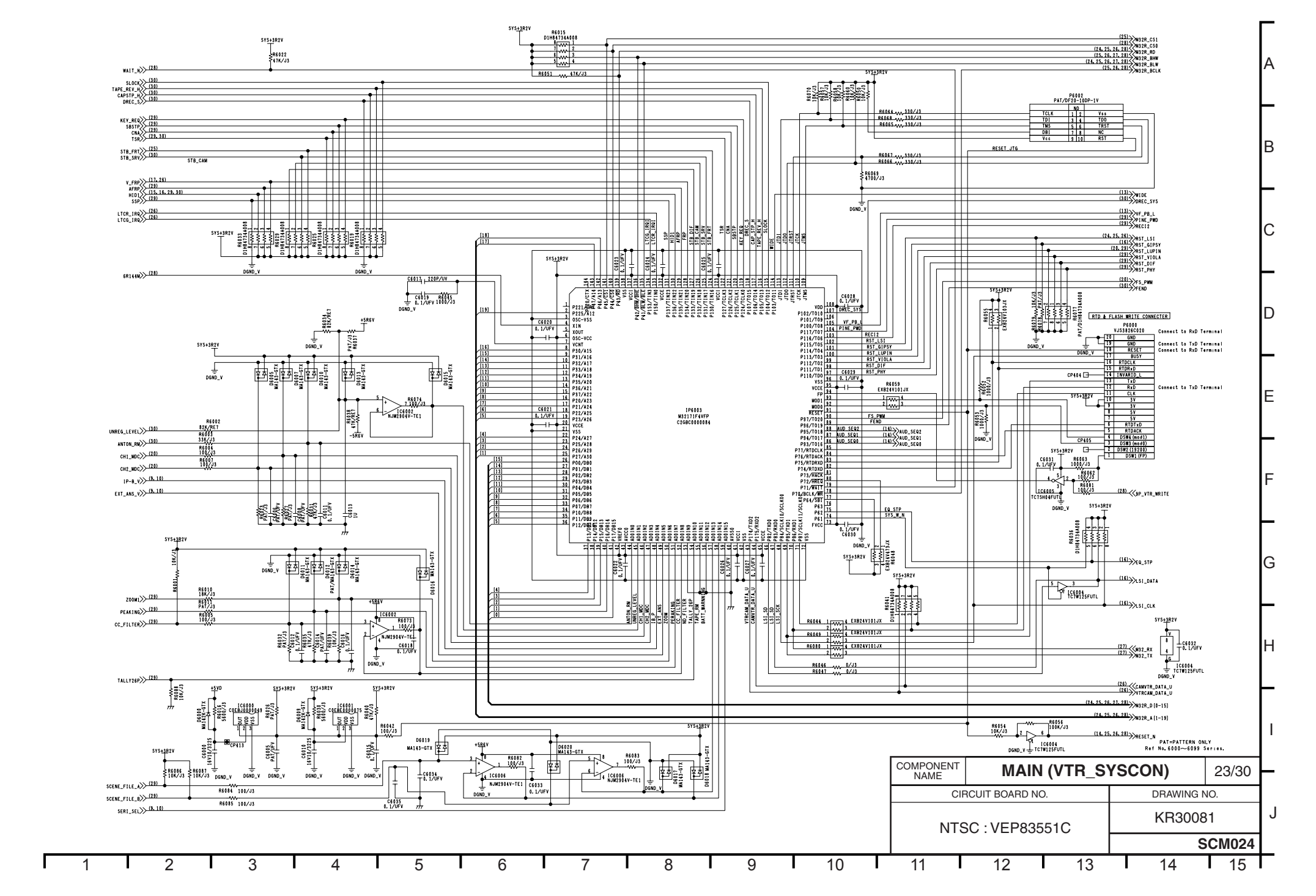

FS_PWM (23)
+3R6V (13, 16, 29, 30)
DV_L (25, 29)
CH2_AD (19)
CH1_AD (19)
RST_LUPIN (23, 29)
DOMCK (29)
DOLRCK (14, 29)
DOBCK (29)
DODAT (29)
(29) FS_PLL
(19) AU_DV_L
(23) CH2_MDC
(21, 22) CH2_MON
(23) CH1_MDC
(21, 22) CH1_MON
(29) AIDAT
IC4200 XC62AP3002PL
IC4005 TVHT244FTEL
IC4201 AK4503VF-E1
IC4202 NJM062M-DT1
IC4203 NJM062M-DT1
IC4204 NJM062V-TE1
IC4205 TC7W125FUTL
IC4206 PAT/MC14053BDTEL
IC4207 PAT/MC14053BDTEL
IC4208 PAT/NJM062V-TE1
D4200 MA143-GTX
D4201 MA143-GTX
D4202 MA143-GTX
D4203 MA143-GTX
L4201 10U/LA
L4202 10U/LA
TG4201 EYECU
PAT=PATTERN ONLY
Ref No. 4200～4299 Series.
COMPONENT NAME
MAIN (AUDIO D/A & LPF)
20/30
CIRCUIT BOARD NO.
NTSC : VEP83551C
DRAWING NO.
KR30081
SCM021

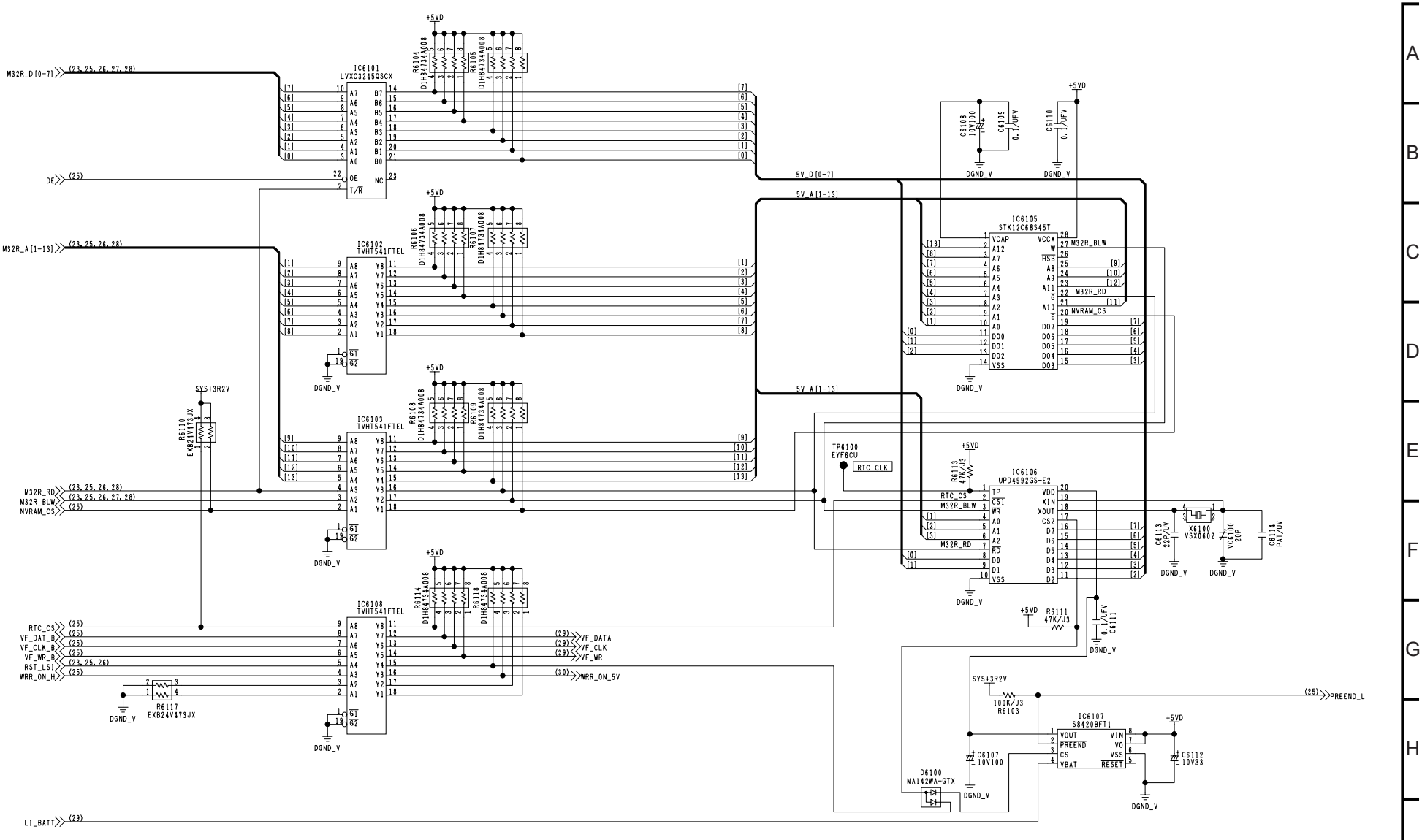


COMPONENT NAME	MAIN (AUDIO CUE)	21/30
CIRCUIT BOARD NO.		DRAWING NO.
NTSC : VEP83551C		KR30081
		SCM022



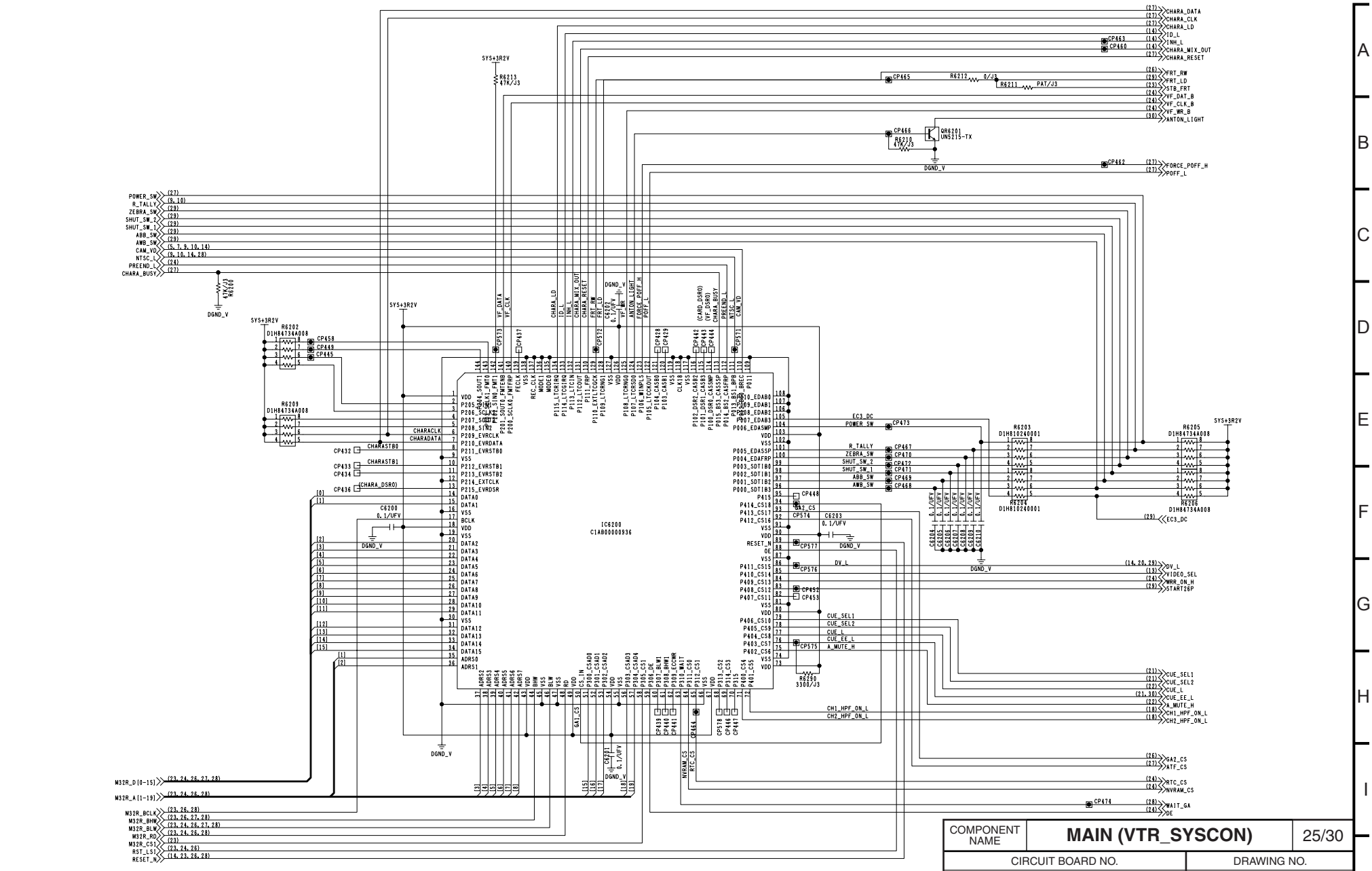
COMPONENT NAME	MAIN (AUDIO OUT)	22/30
CIRCUIT BOARD NO.		DRAWING NO.
NTSC : VEP83551C		KR30081
		SCM023


IP6003
M32171F4VFP
C2GBC0000084
P6002
PAT/DF9-10DP-1V
RTD & FLASH WRITE CONNECTER
P6000
VJS3820C020
Connect to RxD Terminal
Connect to TxD Terminal
Connect to RxD Terminal
Connect to TxD Terminal
PAT=PATTERN ONLY
Ref No. 6000~6099 Series.
COMPONENT NAME
MAIN (VTR_SYSCON)
23/30
CIRCUIT BOARD NO.
NTSC : VEP83551C
DRAWING NO.
KR30081
SCM024

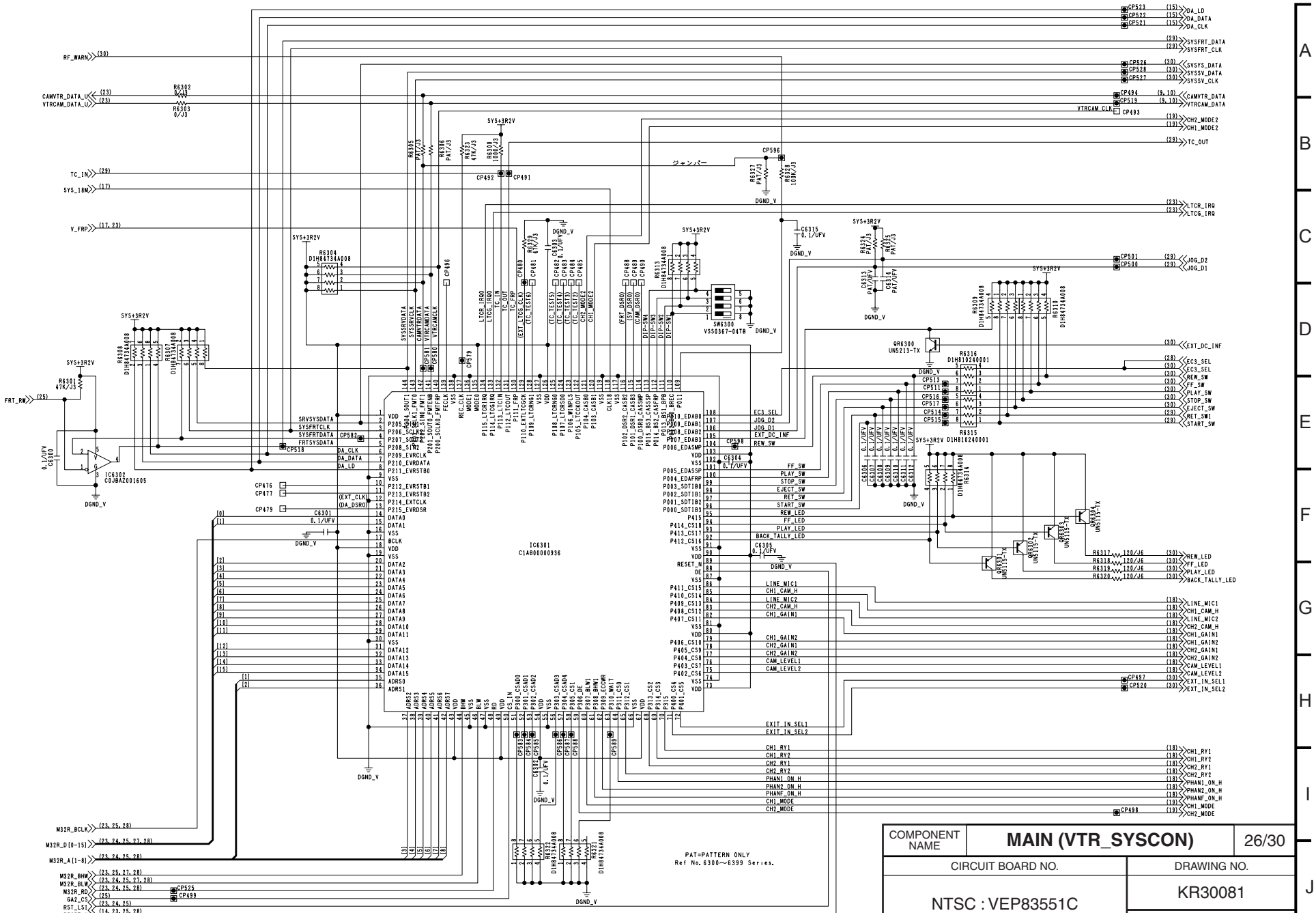


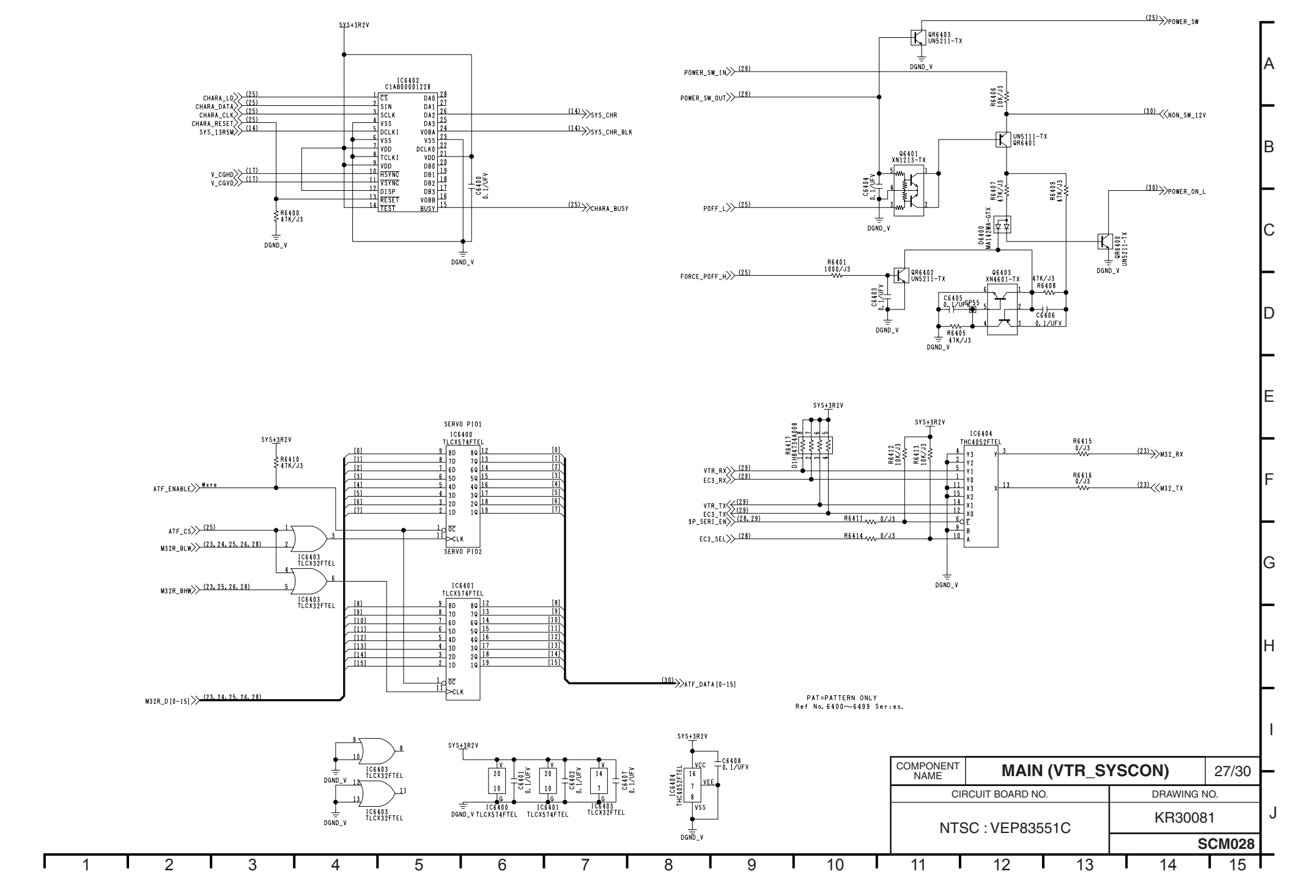
PAT=PATTERN ONLY
Ref No.6100～6199 Series.

COMPONENT NAME	**MAIN (VTR_SYSCON)**	24/30
CIRCUIT BOARD NO.	DRAWING NO.	
NTSC : VEP83551C	KR30081	
	SCM025	

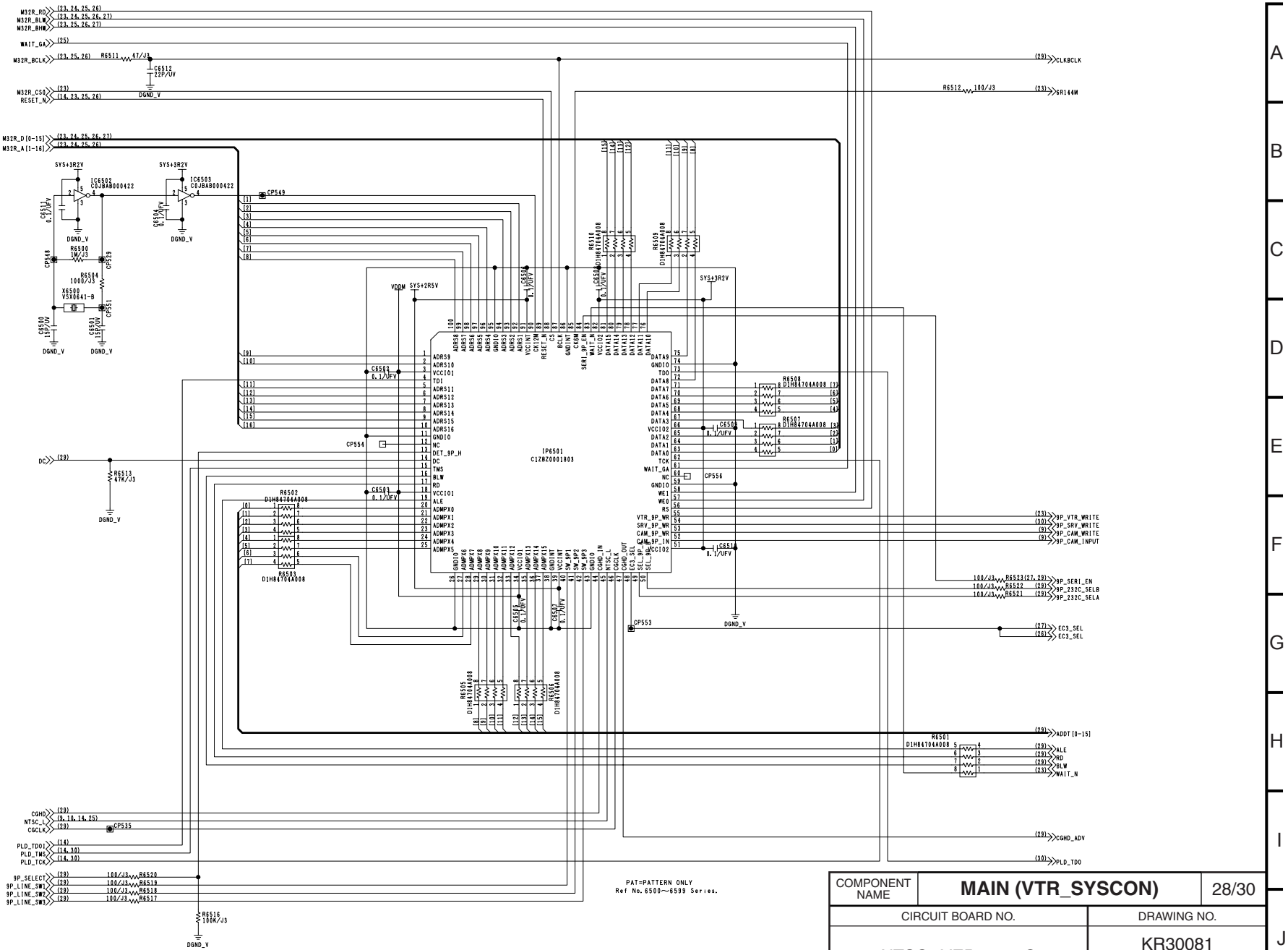


COMPONENT NAME	MAIN (VTR_SYSCON)	25/30
CIRCUIT BOARD NO.		DRAWING NO.
NTSC : VEP83551C		KR30081
		SCM026

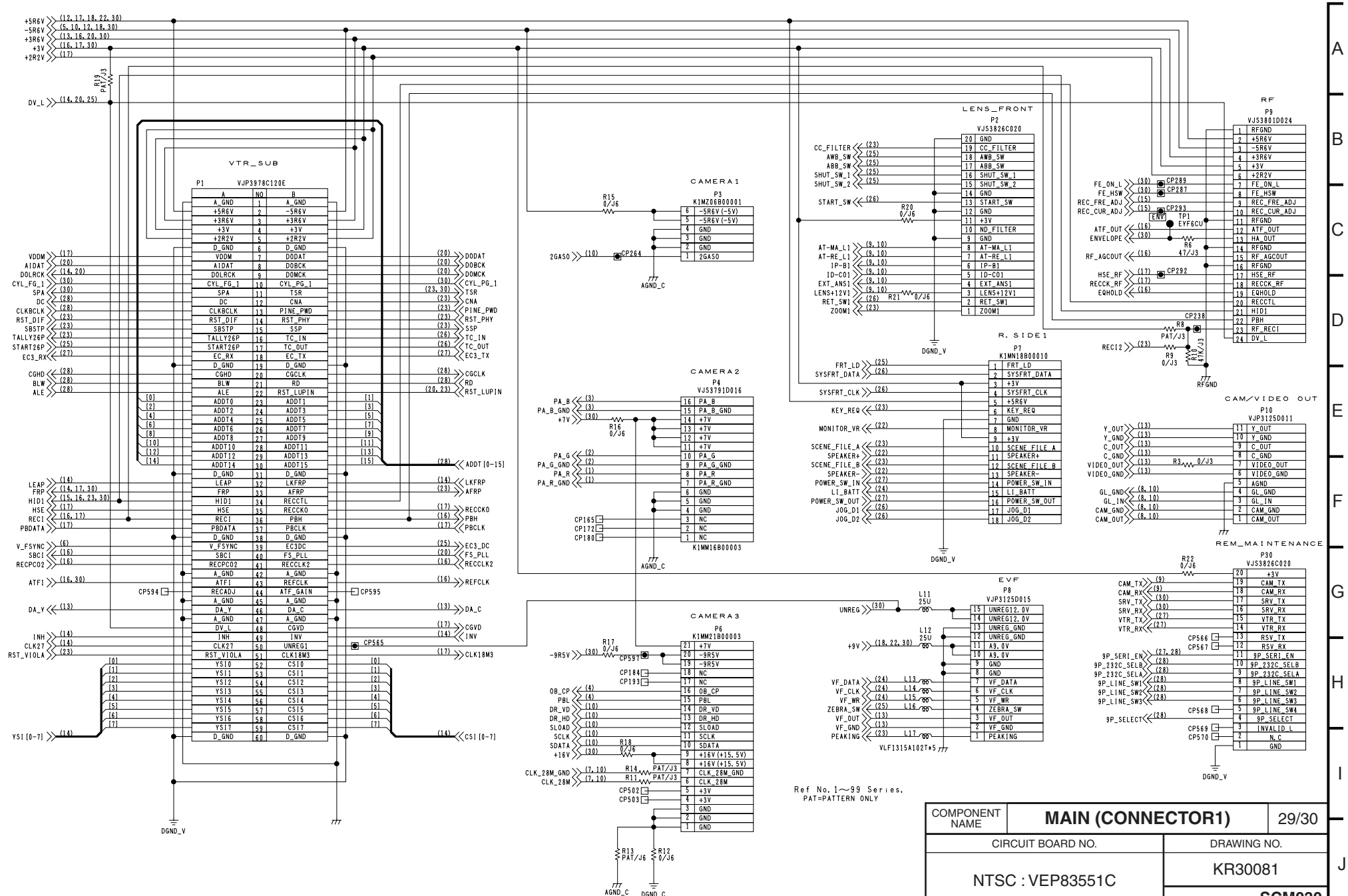

IC6301
C1AB00000936
IC6302
C0JBAZ001605
SW6300
VSS0367-04TB
QR6300
UN5213-TX
QR6301
UN5119-TX
QR6302
UN5119-TX
QR6303
UN5119-TX
QR6304
UN5119-TX
PAT=PATTERN ONLY
Ref No.6300～6399 Series.
COMPONENT NAME
MAIN (VTR_SYSCON)
26/30
CIRCUIT BOARD NO.
NTSC : VEP83551C
DRAWING NO.
KR30081
SCM027

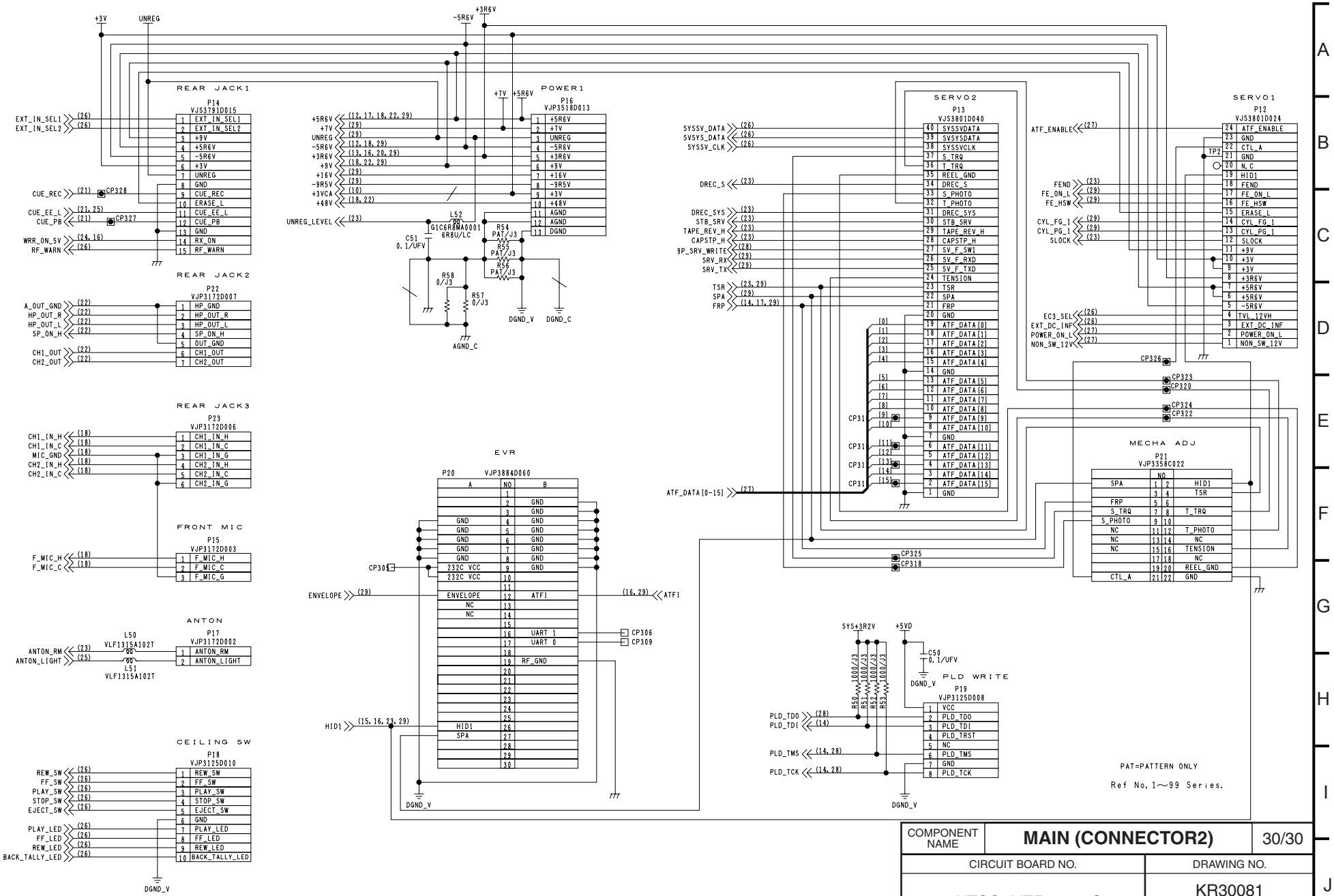


COMPONENT NAME	**MAIN (VTR_SYSCON)**	27/30
CIRCUIT BOARD NO.		DRAWING NO.
NTSC : VEP83551C		KR30081
		SCM028

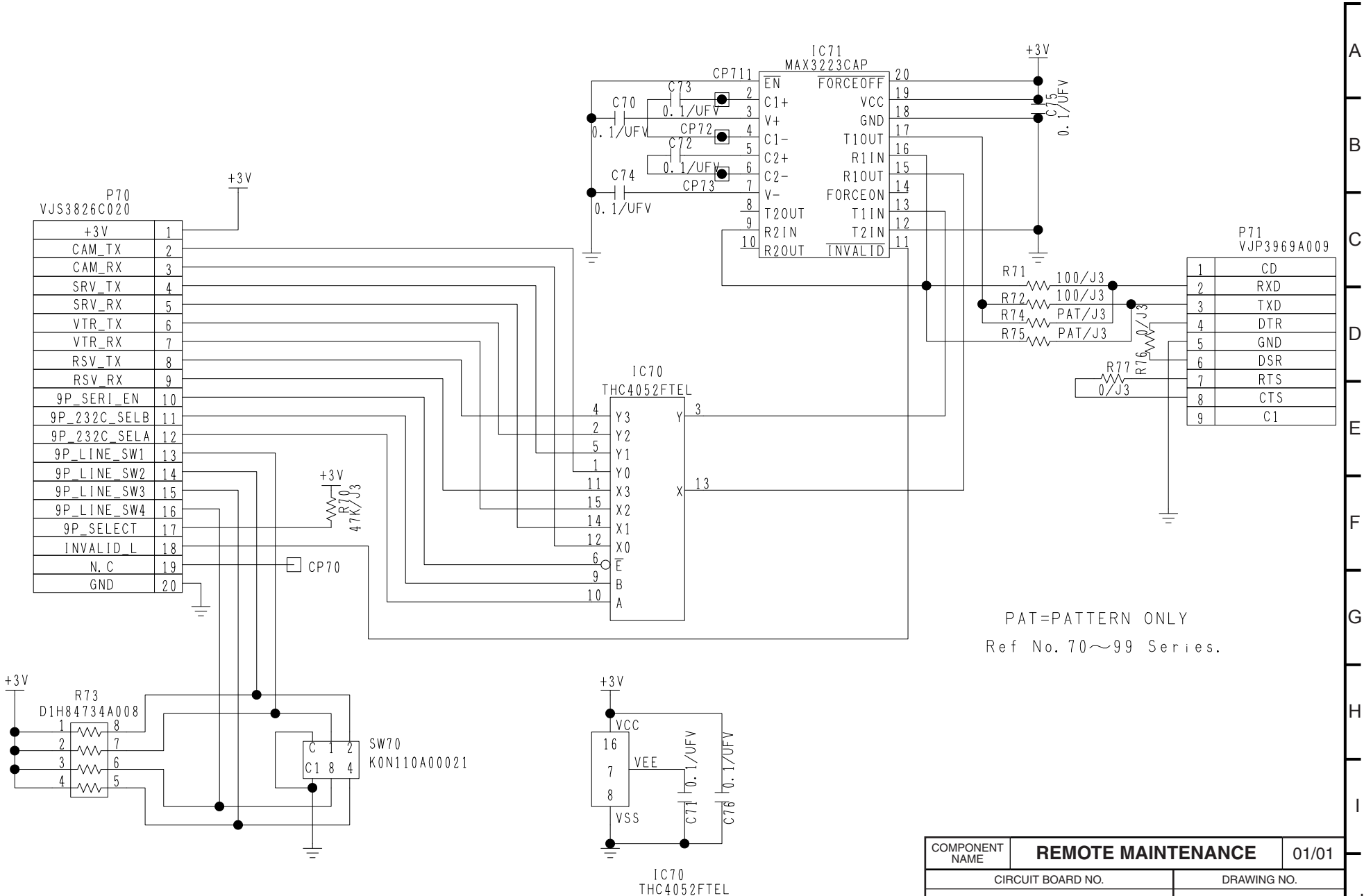


COMPONENT NAME	**MAIN (VTR_SYSCON)**	28/30
CIRCUIT BOARD NO.	DRAWING NO.	
NTSC : VEP83551C	KR30081	
	SCM029	

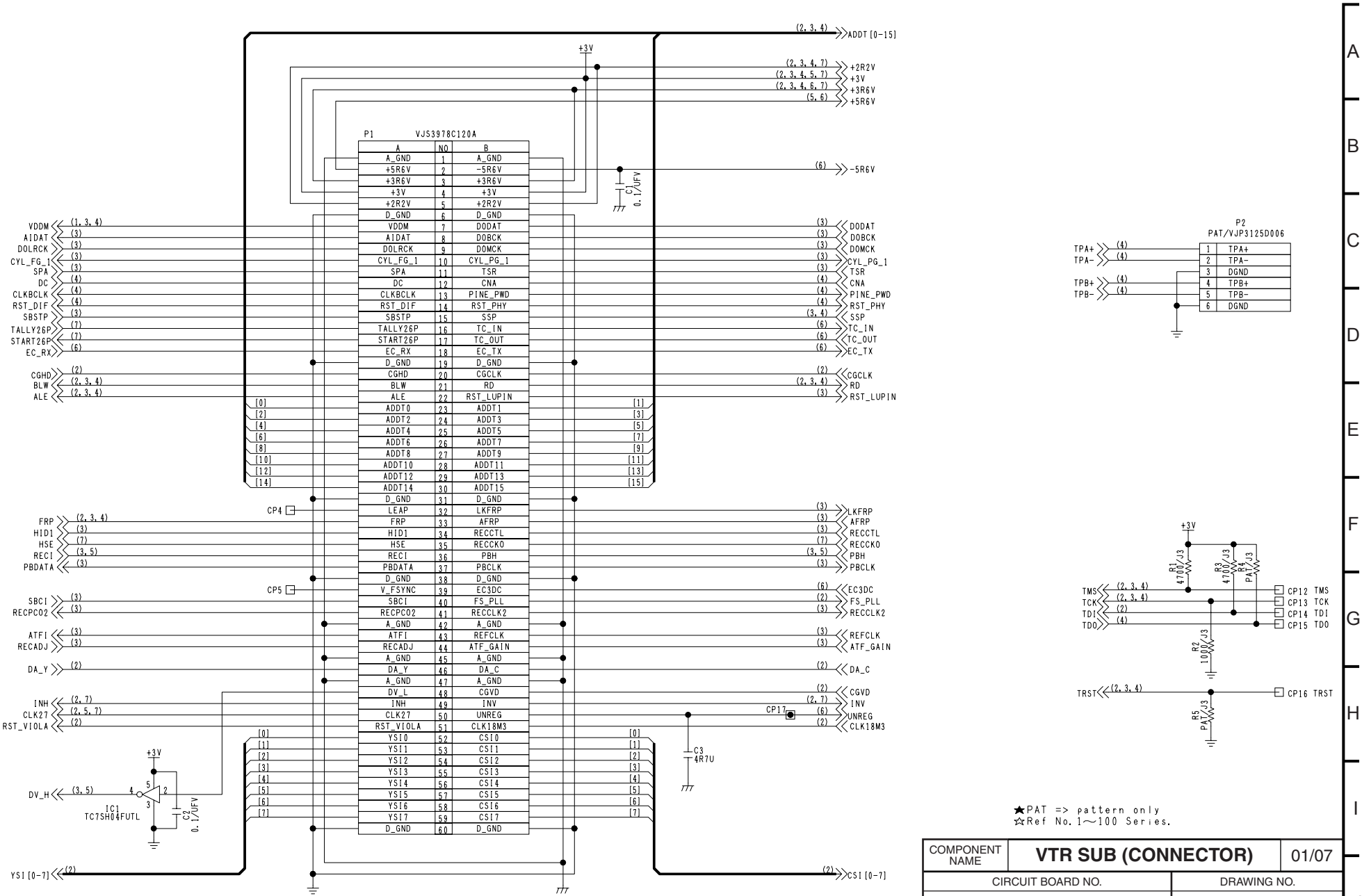

VTR_SUB
P1 VJP3978C120E
CAMERA1
P3 K1MZ06B00001
CAMERA2
P4 VJS3791D016
K1MM16B00003
CAMERA3
P6 K1MM21B00003
LENS_FRONT
P2 VJS3826C020
R. SIDE1
P7 K1MN18B00010
EVF
P8 VJP3125D015
RF
P9 VJS3801D024
CAM/VIDEO OUT
P10 VJP3125D011
REM_MAINTENANCE
P30 VJS3826C020
DGND_V
AGND_C
Ref No. 1～99 Series.
PAT=PATTERN ONLY
COMPONENT NAME
MAIN (CONNECTOR1)
29/30
CIRCUIT BOARD NO.
NTSC : VEP83551C
DRAWING NO.
KR30081
SCM030



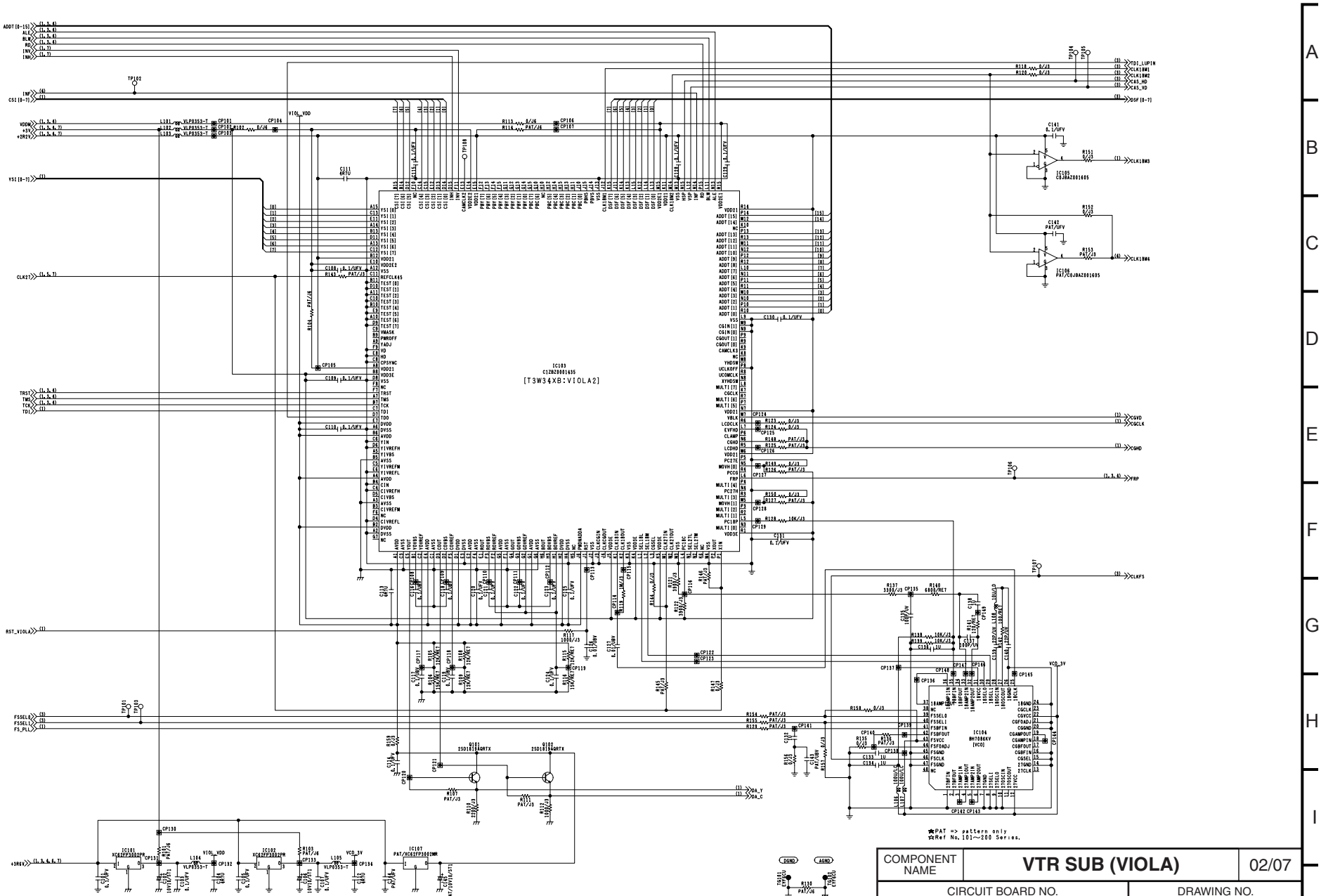
COMPONENT NAME	MAIN (CONNECTOR2)	30/30
CIRCUIT BOARD NO.		DRAWING NO.
NTSC : VEP83551C		KR30081
		SCM031



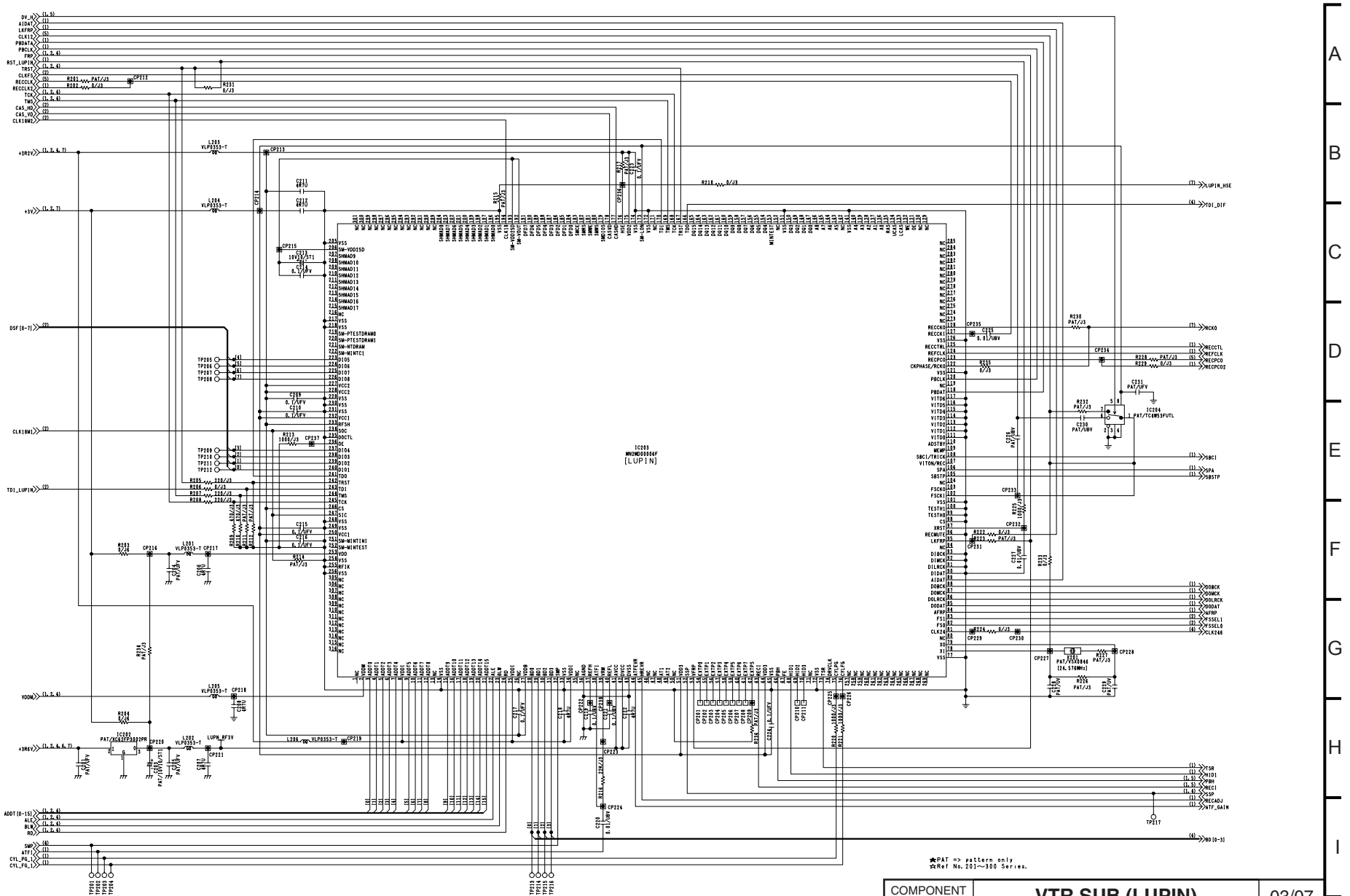
COMPONENT NAME	REMOTE MAINTENANCE	01/01
CIRCUIT BOARD NO.		DRAWING NO.
NTSC : VEP80C20A		KR0Q48
		SCM032



COMPONENT NAME	**VTR SUB (CONNECTOR)**	01/07
CIRCUIT BOARD NO.	DRAWING NO.	
NTSC : VEP83579A	KR30200	
	SCM033	



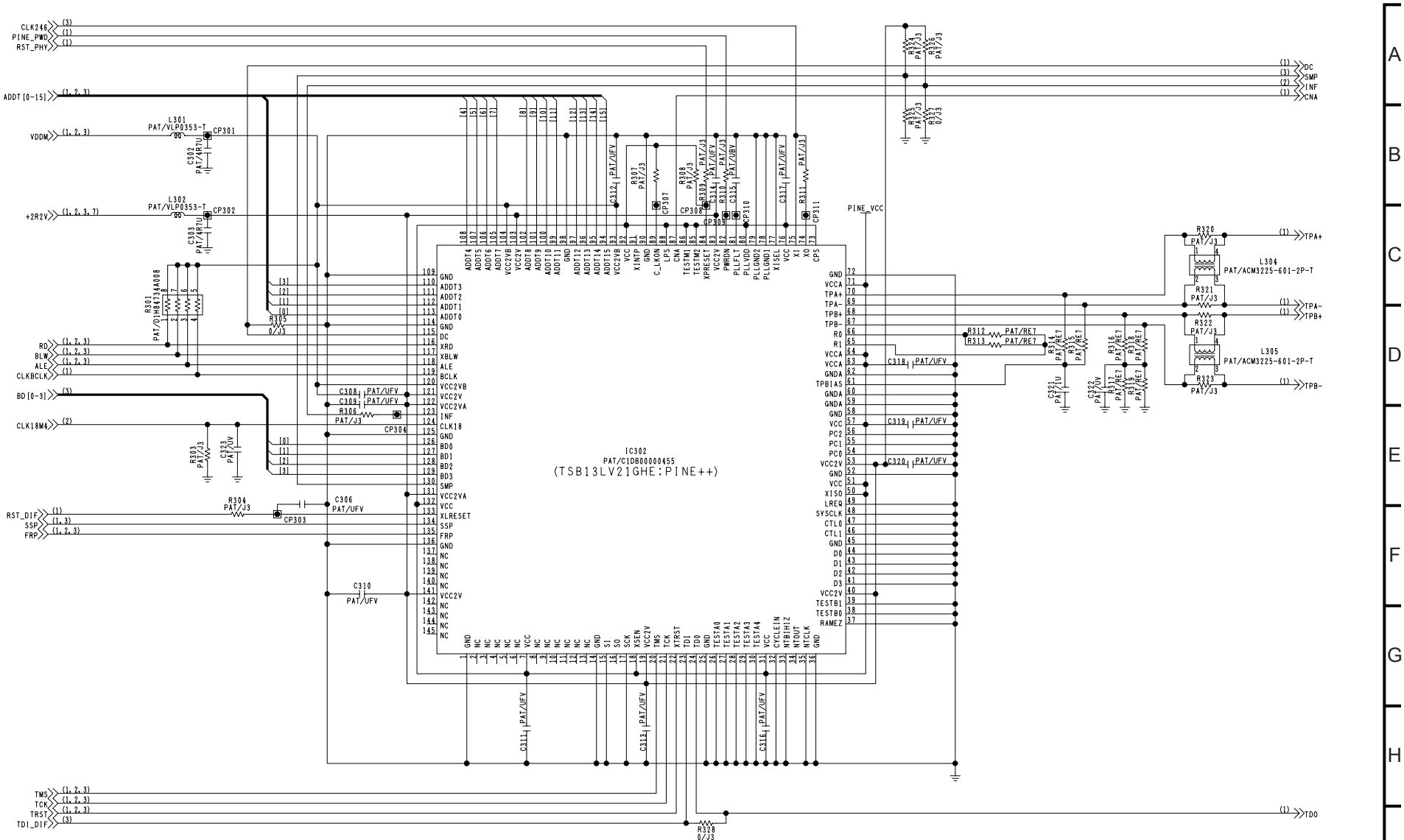
COMPONENT NAME	**VTR SUB (VIOLA)**	02/07
CIRCUIT BOARD NO.		DRAWING NO.
NTSC : VEP83579A		KR30200
		SCM034

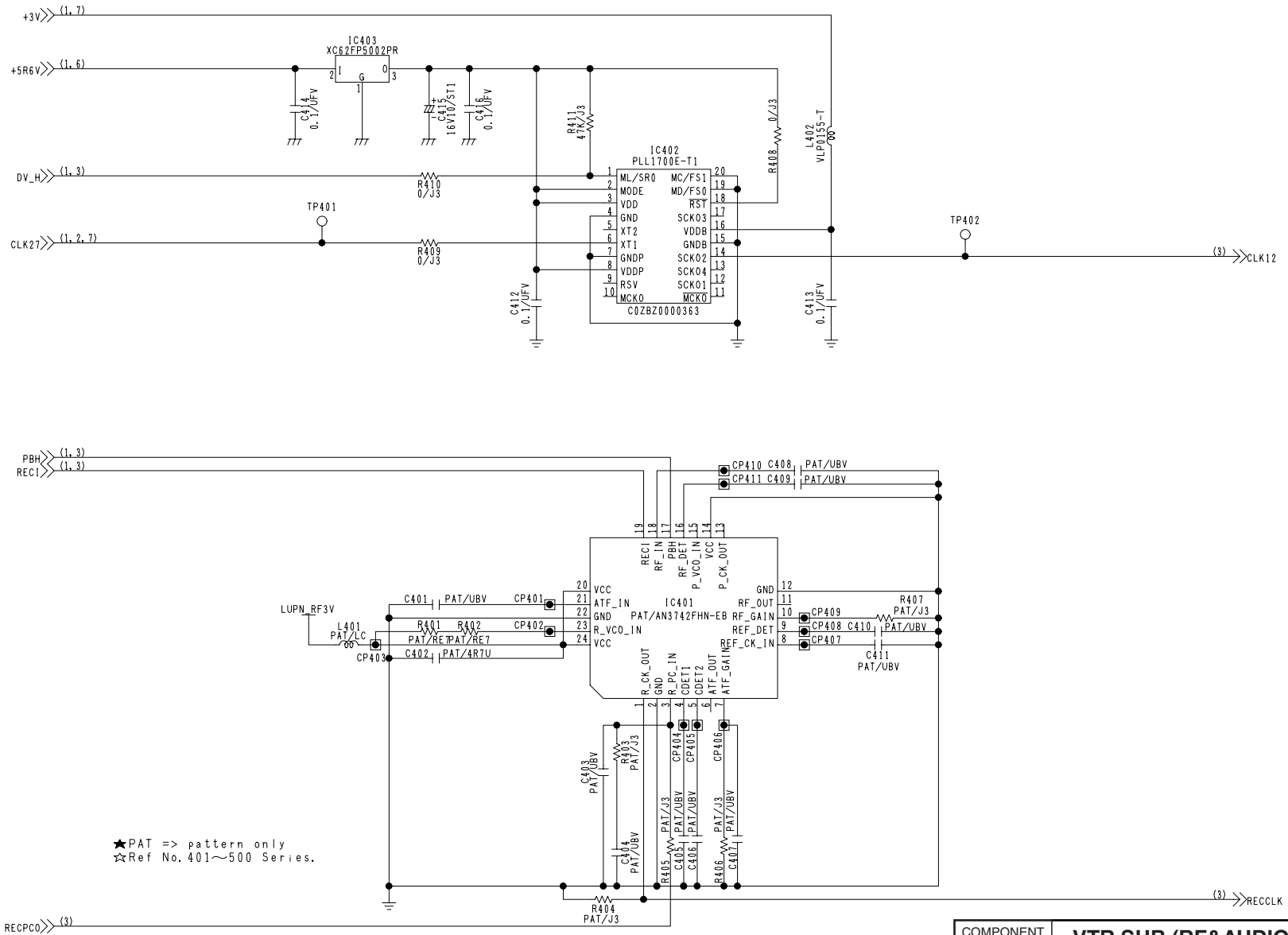


COMPONENT NAME	VTR SUB (LUPIN)	03/07
CIRCUIT BOARD NO.		DRAWING NO.
NTSC : VEP83579A		KR30200
		SCM035

A B C D E F G H I J

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

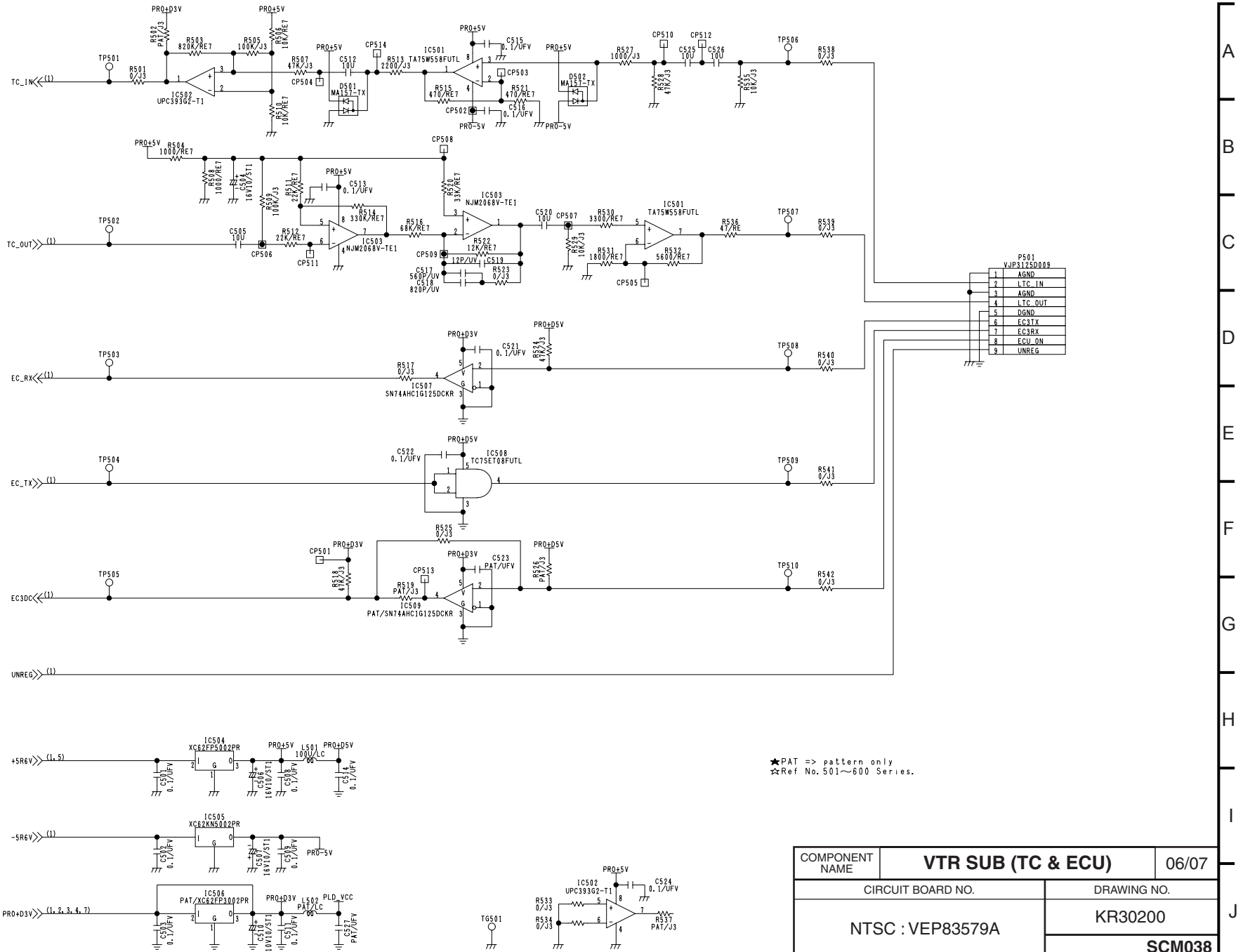

IC302
PAT/C1DB00000455
(TSB13LV21GHE:PINE++)
IC301
PAT/XC62FP3002PR
PINE_VCC
CLK24G
PINE_PWD
RST_PHY
ADDT[0-15]
VDDM
+2R2V
RD
BLW
ALE
CLKBCLK
BD[0-3]
CLK18M4
RST_DIF
SSP
FRP
TMS
TCK
TRST
TDI_DIF
+3V
+3R6V
TPA+
TPA-
TPB+
TPB-
TDO
DC
SMP
INF
CNA
★PAT => pattern only
☆Ref No. 301～400 Series.
COMPONENT NAME
VTR SUB (PINE++)
04/07
CIRCUIT BOARD NO.
DRAWING NO.
NTSC : VEP83579A
KR30200
SCM036



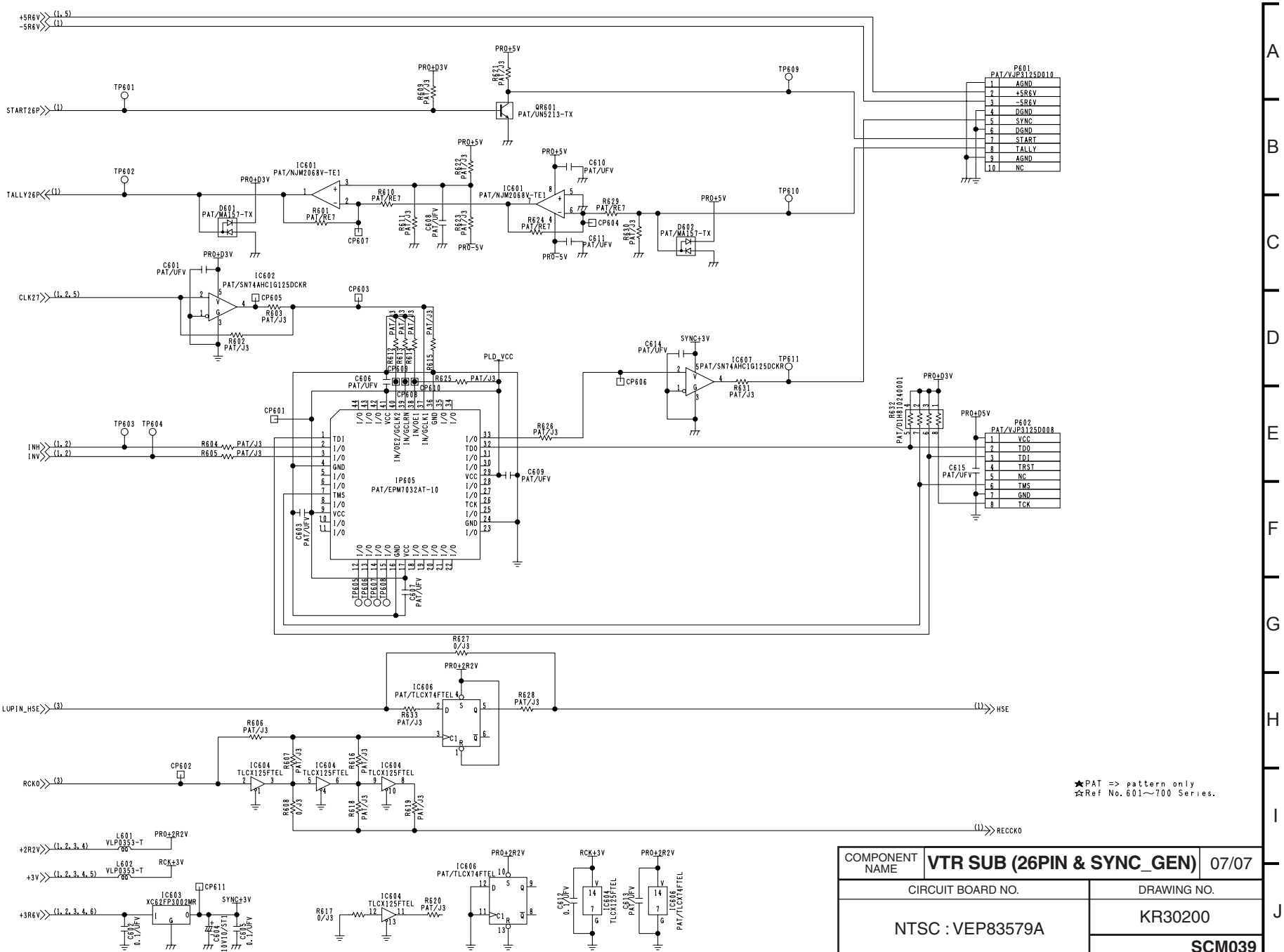
COMPONENT NAME	VTR SUB (RF&AUDIO PLL)	05/07
CIRCUIT BOARD NO.		DRAWING NO.
NTSC : VEP83579A		KR30200
		SCM037

A B C D E F G H I J

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

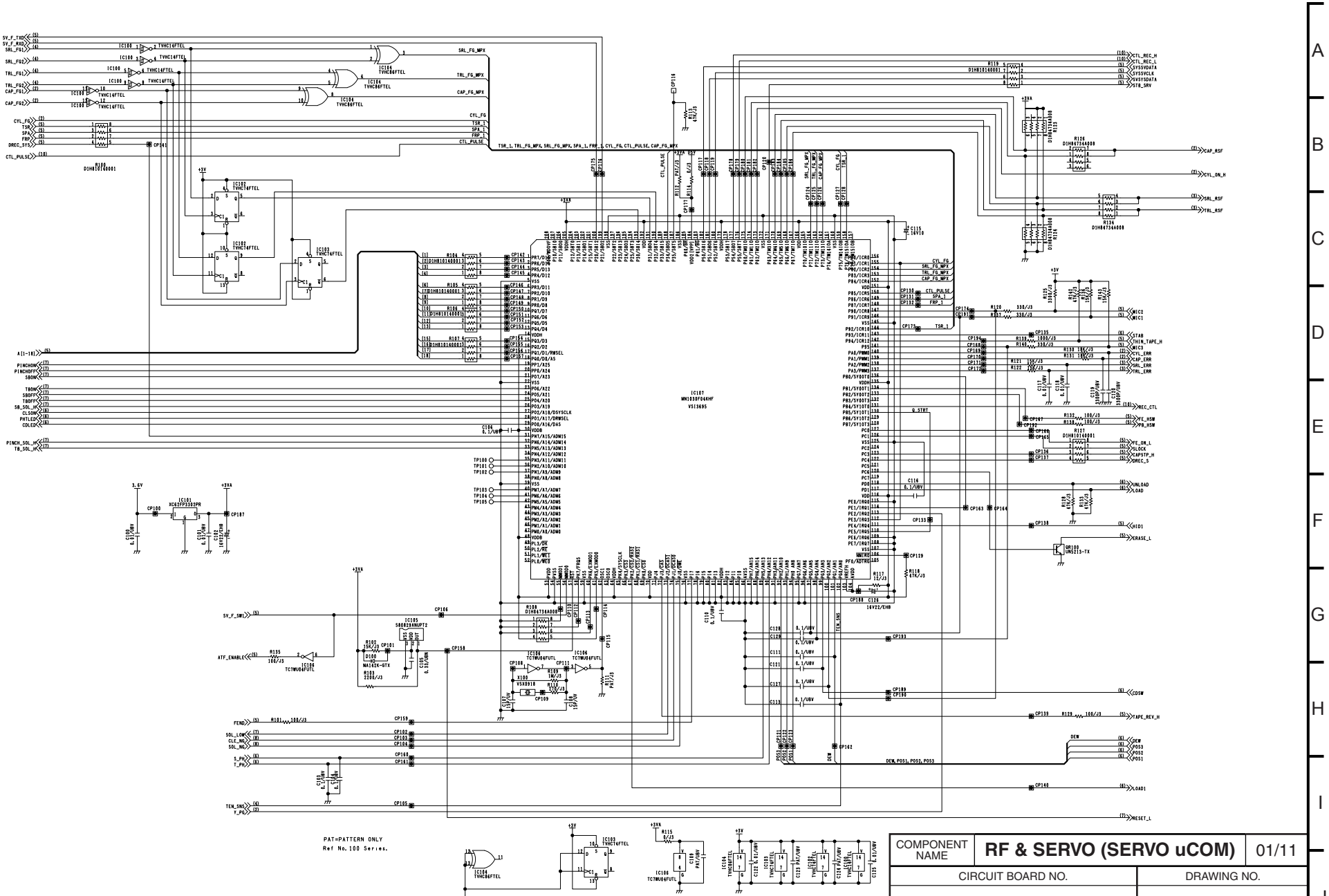


COMPONENT NAME	VTR SUB (TC & ECU)	06/07
CIRCUIT BOARD NO.		DRAWING NO.
NTSC : VEP83579A		KR30200
		SCM038



★PAT => pattern only
☆Ref No. 601～700 Series.

COMPONENT NAME	VTR SUB (26PIN & SYNC_GEN)	07/07
CIRCUIT BOARD NO.		DRAWING NO.
NTSC : VEP83579A		KR30200
		SCM039

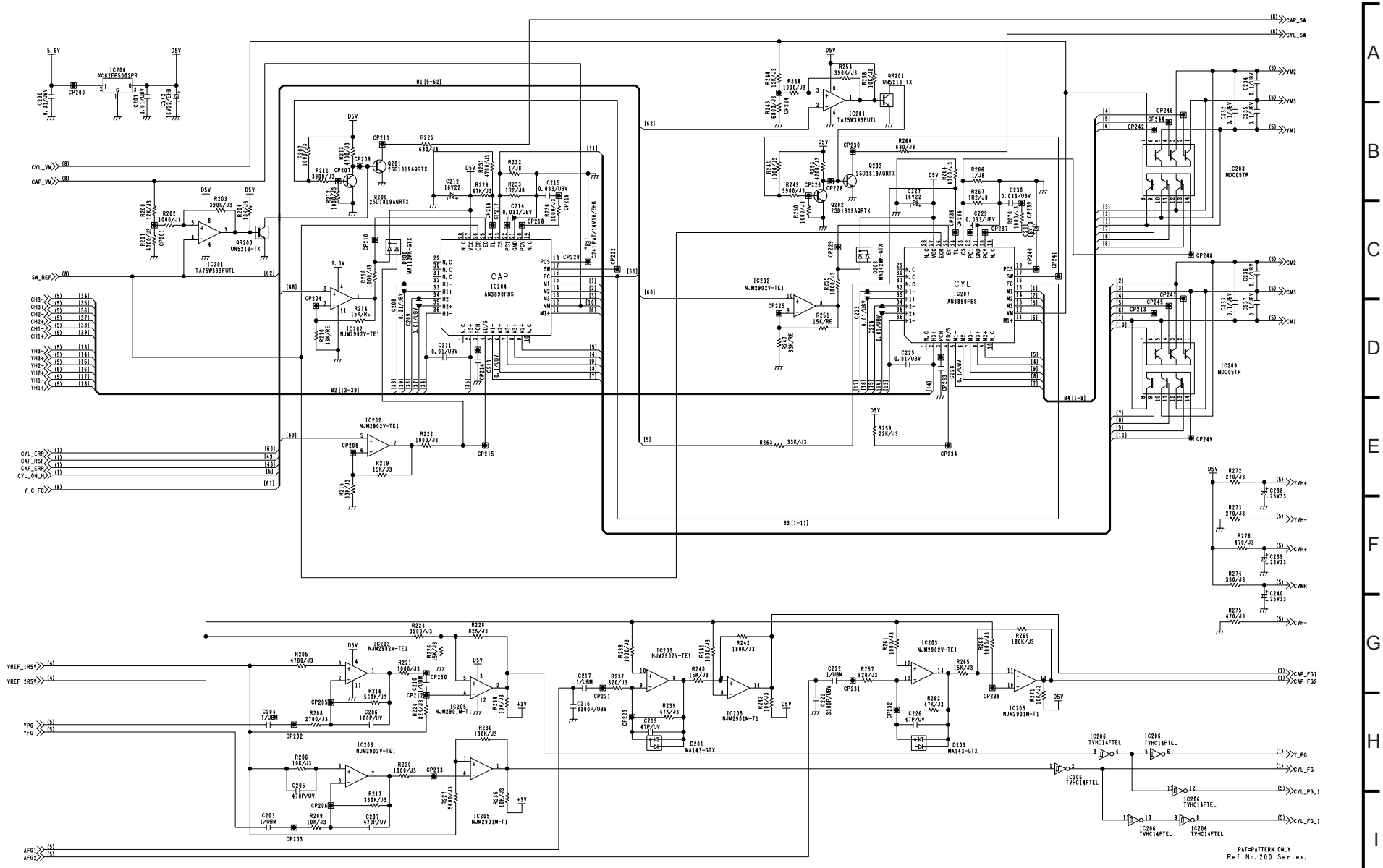


PAT=PATTERN ONLY
Ref No. 100 Series.

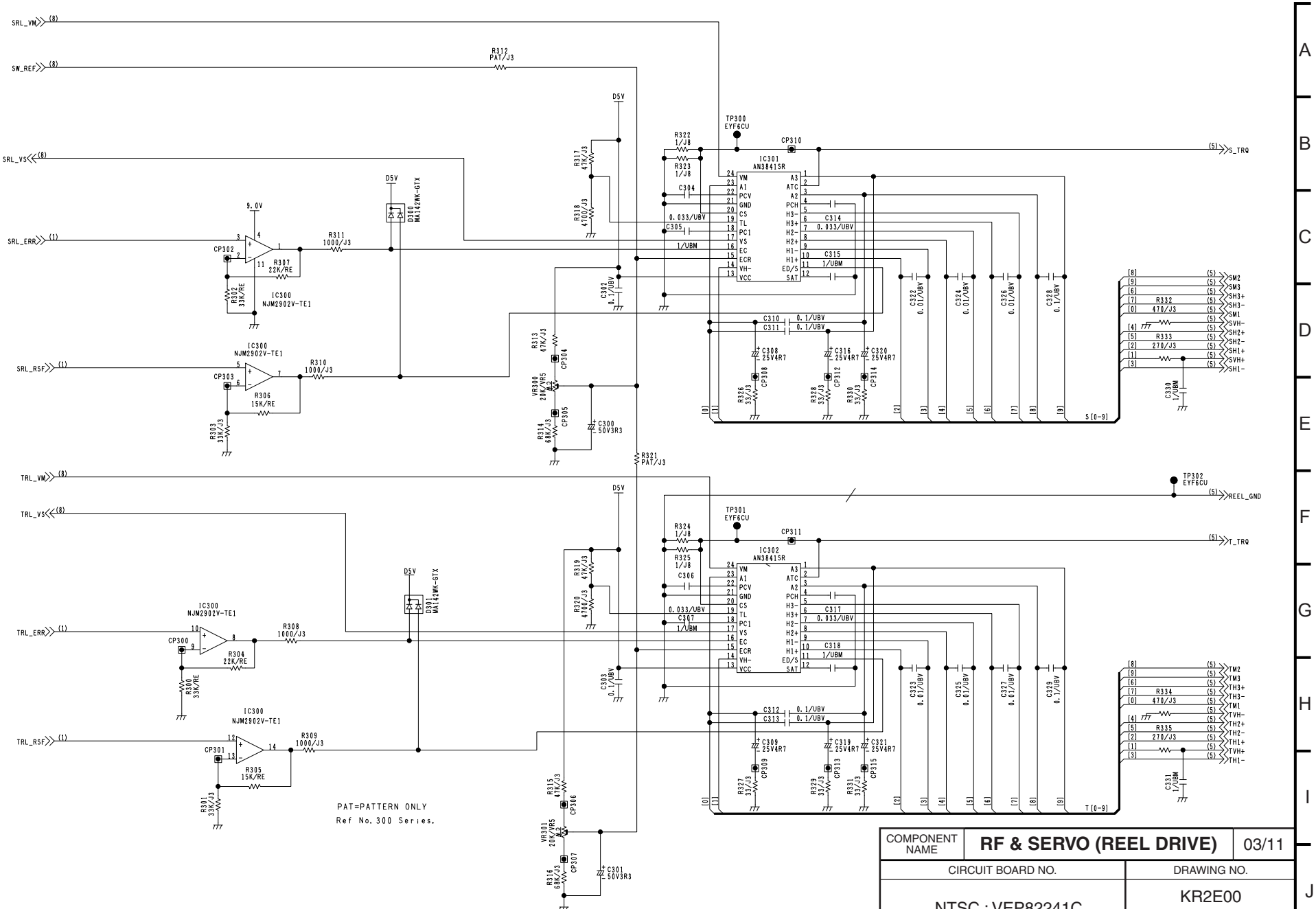
COMPONENT NAME	RF & SERVO (SERVO uCOM)	01/11
CIRCUIT BOARD NO.		DRAWING NO.
NTSC : VEP82241C		KR2E00
		SCM040

A B C D E F G H I J

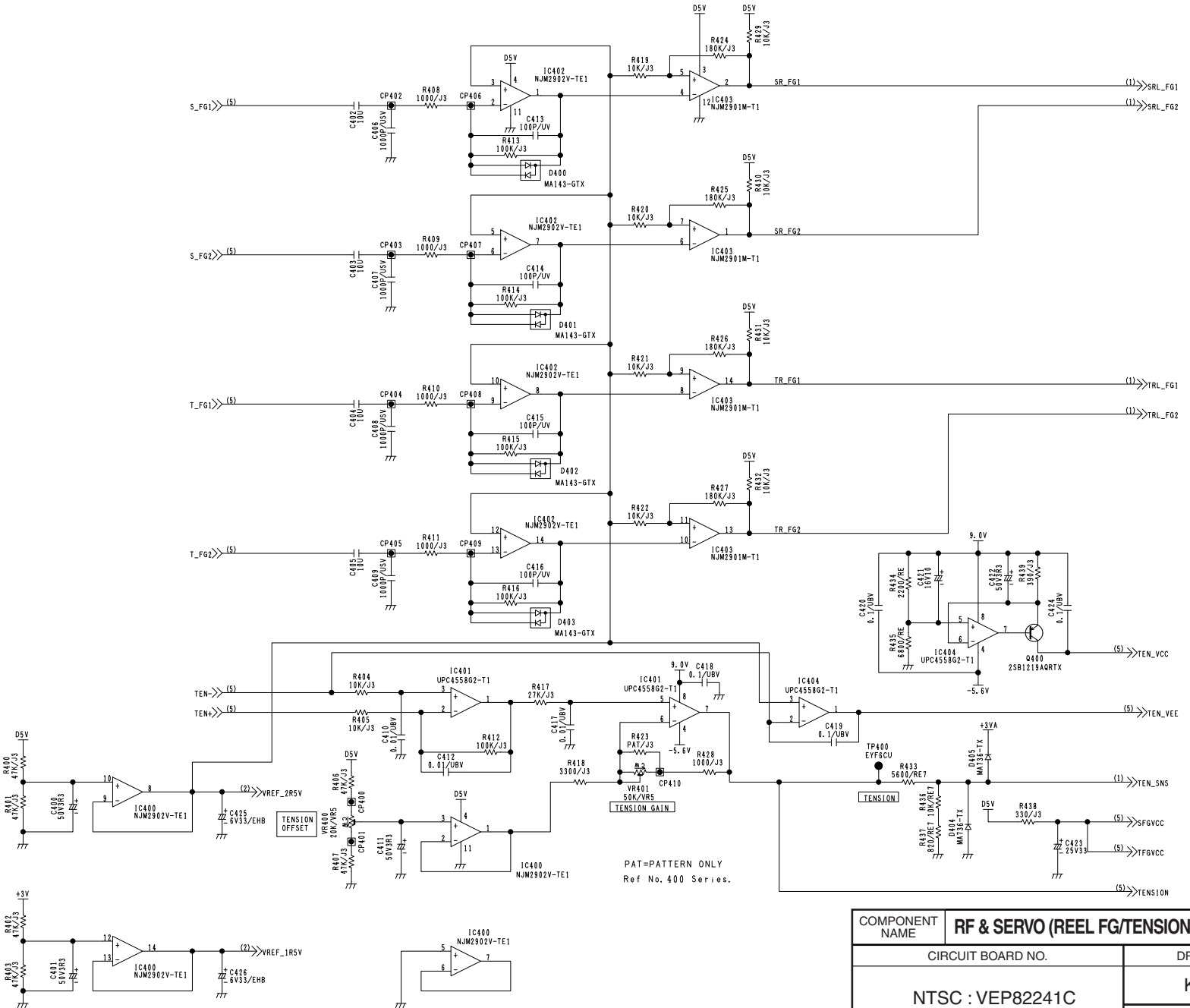
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15



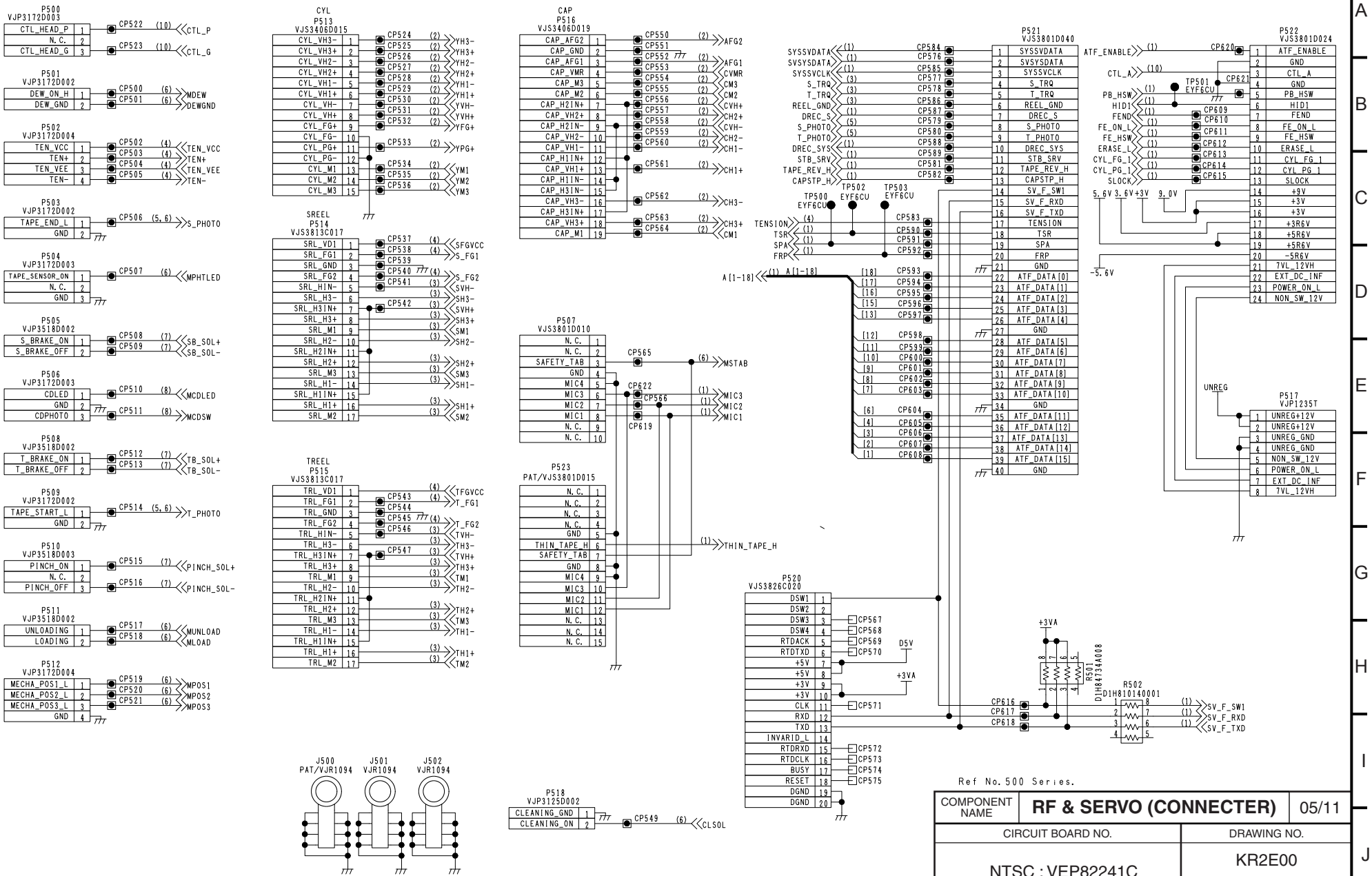
COMPONENT NAME	RF & SERVO (CYL/CAP DRIVE)	02/11
CIRCUIT BOARD NO.		DRAWING NO.
NTSC : VEP82241C		KR2E00
		SCM041

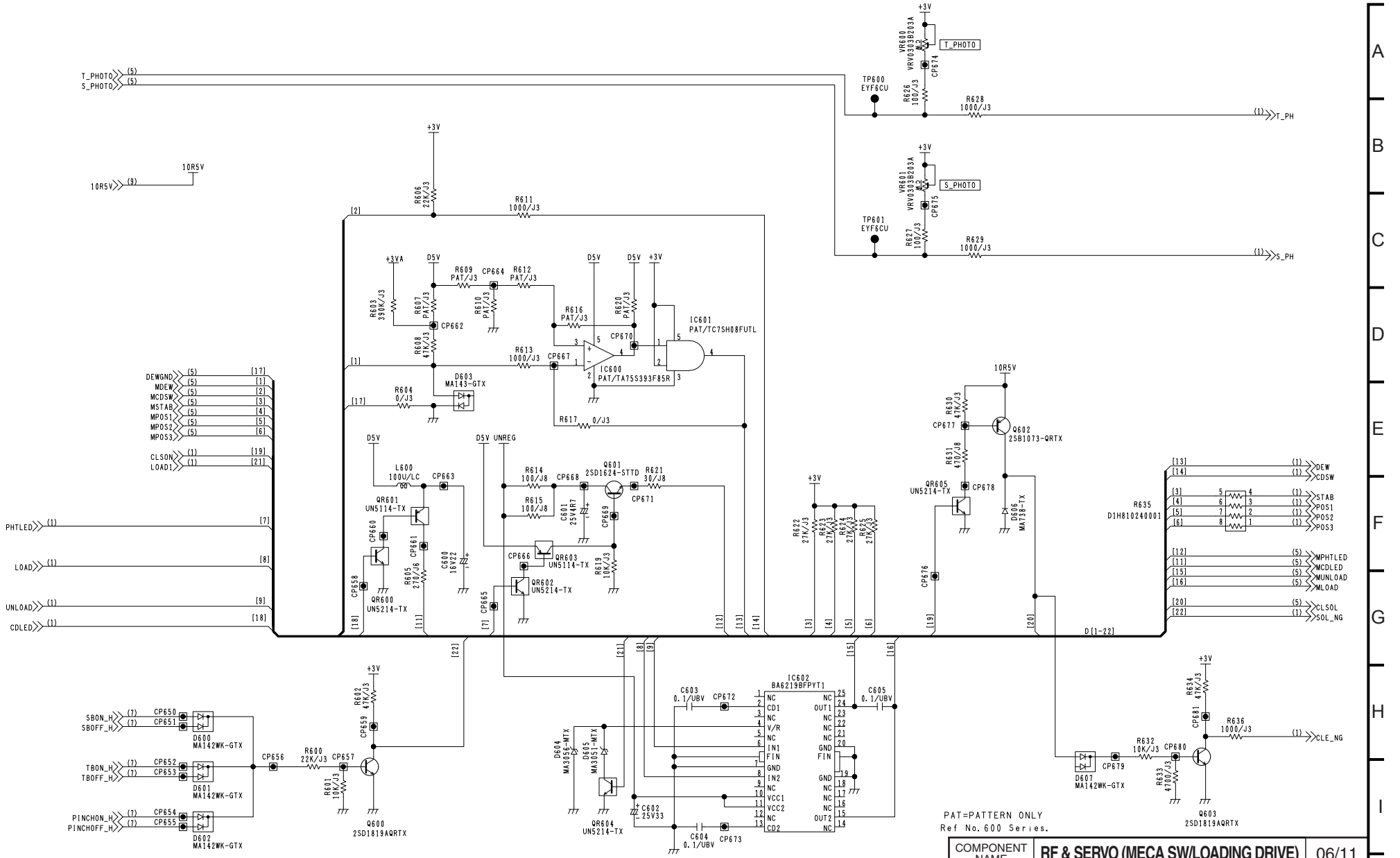


COMPONENT NAME	RF & SERVO (REEL DRIVE)	03/11
CIRCUIT BOARD NO.		DRAWING NO.
NTSC : VEP82241C		KR2E00
		SCM042

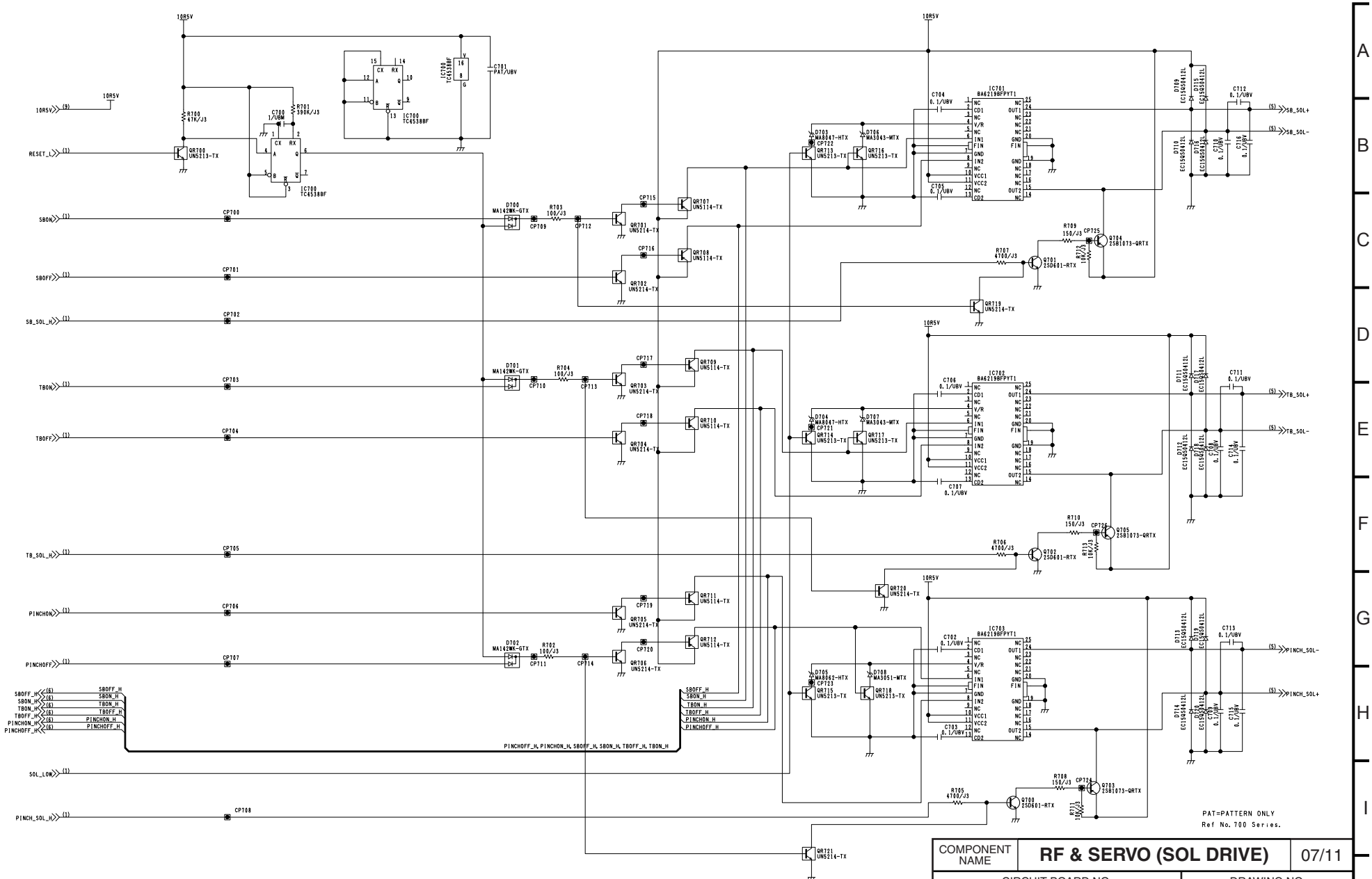


COMPONENT NAME	RF & SERVO (REEL FG/TENSION AMP)	04/11
CIRCUIT BOARD NO.		DRAWING NO.
NTSC : VEP82241C		KR2E00
		SCM043


P500 VJP3172D003
CTL_HEAD_P 1
N.C. 2
CTL_HEAD_G 3
CP522 (10) CTL_P
CP523 (10) CTL_G
P501 VJP3172D002
DEW_ON_H 1
DEW_GND 2
CP500 (6) MDEW
CP501 (6) DEWGND
P502 VJP3172D004
TEN_VCC 1
TEN+ 2
TEN_VEE 3
TEN- 4
CP502 (4) TEN_VCC
CP503 (4) TEN+
CP504 (4) TEN_VEE
CP505 (4) TEN-
P503 VJP3172D002
TAPE_END_L 1
GND 2
CP506 (5,6) S_PHOTO
P504 VJP3172D003
TAPE_SENSOR_ON 1
N.C. 2
GND 3
CP507 (6) MPHTLED
P505 VJP3518D002
S_BRAKE_ON 1
S_BRAKE_OFF 2
CP508 (7) SB_SOL+
CP509 (7) SB_SOL-
P506 VJP3172D003
CDLED 1
GND 2
CDPHOTO 3
CP510 (8) MCDLED
CP511 (8) MCDSW
P508 VJP3518D002
T_BRAKE_ON 1
T_BRAKE_OFF 2
CP512 (7) TB_SOL+
CP513 (7) TB_SOL-
P509 VJP3172D002
TAPE_START_L 1
GND 2
CP514 (5,6) T_PHOTO
P510 VJP3518D003
PINCH_ON 1
N.C. 2
PINCH_OFF 3
CP515 (7) PINCH_SOL+
CP516 (7) PINCH_SOL-
P511 VJP3518D002
UNLOADING 1
LOADING 2
CP517 (6) MUNLOAD
CP518 (6) MLOAD
P512 VJP3172D004
MECHA_POS1_L 1
MECHA_POS2_L 2
MECHA_POS3_L 3
GND 4
CP519 (6) MPOS1
CP520 (6) MPOS2
CP521 (6) MPOS3
CYL P513 VJS3406D015
CYL_VH3- 1
CYL_VH3+ 2
CYL_VH2- 3
CYL_VH2+ 4
CYL_VH1- 5
CYL_VH1+ 6
CYL_VH- 7
CYL_VH+ 8
CYL_FG+ 9
CYL_FG- 10
CYL_PG+ 11
CYL_PG- 12
CYL_M1 13
CYL_M2 14
CYL_M3 15
CP524 (2) YH3-
CP525 (2) YH3+
CP526 (2) YH2-
CP527 (2) YH2+
CP528 (2) YH1-
CP529 (2) YH1+
CP530 (2) YVH-
CP531 (2) YVH+
CP532 (2) YFG+
CP533 (2) YPG+
CP534 (2) YM1
CP535 (2) YM2
CP536 (2) YM3
SREEL P514 VJS3813C017
SRL_VD1 1
SRL_FG1 2
SRL_GND 3
SRL_FG2 4
SRL_H1N- 5
SRL_H3- 6
SRL_H3IN+ 7
SRL_H3+ 8
SRL_M1 9
SRL_H2- 10
SRL_H2IN+ 11
SRL_H2+ 12
SRL_M3 13
SRL_H1- 14
SRL_H1IN+ 15
SRL_H1+ 16
SRL_M2 17
CP537 (4) SFGVCC
CP538 (4) S_FG1
CP539
CP540 (4) S_FG2
CP541 (3) SVH-
(3) SH3-
CP542 (3) SVH+
(3) SH3+
(3) SM1
(3) SH2-
(3) SH2+
(3) SM3
(3) SH1-
(3) SH1+
(3) SM2
TREEL P515 VJS3813C017
TRL_VD1 1
TRL_FG1 2
TRL_GND 3
TRL_FG2 4
TRL_H1N- 5
TRL_H3- 6
TRL_H3IN+ 7
TRL_H3+ 8
TRL_M1 9
TRL_H2- 10
TRL_H2IN+ 11
TRL_H2+ 12
TRL_M3 13
TRL_H1- 14
TRL_H1IN+ 15
TRL_H1+ 16
TRL_M2 17
(4) TFGVCC
CP543 (4) T_FG1
CP544
CP545 (4) T_FG2
CP546 (3) TVH-
(3) TH3-
CP547 (3) TVH+
(3) TH3+
(3) TM1
(3) TH2-
(3) TH2+
(3) TM3
(3) TH1-
(3) TH1+
(3) TM2
J500 PAT/VJR1094
J501 VJR1094
J502 VJR1094
CAP P516 VJS3406D019
CAP_AFG2 1
CAP_GND 2
CAP_AFG1 3
CAP_VMR 4
CAP_M3 5
CAP_M2 6
CAP_H2IN+ 7
CAP_VH2+ 8
CAP_H2IN- 9
CAP_VH2- 10
CAP_VH1- 11
CAP_H1IN+ 12
CAP_VH1+ 13
CAP_H1IN- 14
CAP_H3IN- 15
CAP_VH3- 16
CAP_H3IN+ 17
CAP_VH3+ 18
CAP_M1 19
CP550 (2) AFG2
CP551
CP552 (2) AFG1
CP553 (2) CVMR
CP554 (2) CM3
CP555 (2) CM2
CP556 (2) CVH+
CP557 (2) CH2+
CP558 (2) CVH-
CP559 (2) CH2-
CP560 (2) CH1-
CP561 (2) CH1+
CP562 (2) CH3-
CP563 (2) CH3+
CP564 (2) CM1
P507 VJS3801D010
N.C. 1
N.C. 2
SAFETY_TAB 3
GND 4
MIC4 5
MIC3 6
MIC2 7
MIC1 8
N.C. 9
N.C. 10
CP565 (6) MSTAB
CP622
CP566 (1) MIC3
(1) MIC2
(1) MIC1
CP619
P523 PAT/VJS3801D015
N.C. 1
N.C. 2
N.C. 3
N.C. 4
GND 5
THIN_TAPE_H 6
SAFETY_TAB 7
GND 8
MIC4 9
MIC3 10
MIC2 11
MIC1 12
N.C. 13
N.C. 14
N.C. 15
(1) THIN_TAPE_H
P518 VJP3125D002
CLEANING_GND 1
CLEANING_ON 2
CP549 (6) CLSOL
P520 VJS3826C020
DSW1 1
DSW2 2
DSW3 3
DSW4 4
RTDACK 5
RTDTXD 6
+5V 7
+5V 8
+3V 9
+3V 10
CLK 11
RXD 12
TXD 13
INVARID_L 14
RTDRXD 15
RTDCLK 16
BUSY 17
RESET 18
DGND 19
DGND 20
CP567
CP568
CP569
CP570
D5V
+3VA
CP571
CP572
CP573
CP574
CP575
P521 VJS3801D040
SYSSVDATA 1
SVSYSDATA 2
SYSSVCLK 3
S_TRQ 4
T_TRQ 5
REEL_GND 6
DREC_S 7
S_PHOTO 8
T_PHOTO 9
DREC_SYS 10
STB_SRV 11
TAPE_REV_H 12
CAPSTP_H 13
SV_F_SW1 14
SV_F_RXD 15
SV_F_TXD 16
TENSION 17
TSR 18
SPA 19
FRP 20
GND 21
ATF_DATA[0] 22
ATF_DATA[1] 23
ATF_DATA[2] 24
ATF_DATA[3] 25
ATF_DATA[4] 26
GND 27
ATF_DATA[5] 28
ATF_DATA[6] 29
ATF_DATA[7] 30
ATF_DATA[8] 31
ATF_DATA[9] 32
ATF_DATA[10] 33
GND 34
ATF_DATA[11] 35
ATF_DATA[12] 36
ATF_DATA[13] 37
ATF_DATA[14] 38
ATF_DATA[15] 39
GND 40
CP584 CP576 CP585 CP577 CP578 CP586 CP587 CP579 CP580 CP588 CP589 CP581 CP582
TP500 EYF6CU
TP502 EYF6CU
TP503 EYF6CU
TENSION TSR SPA FRP
CP583 CP590 CP591 CP592
A[1-18]
CP593 CP594 CP595 CP596 CP597 CP598 CP599 CP600 CP601 CP602 CP603 CP604 CP605 CP606 CP607 CP608
P522 VJS3801D024
ATF_ENABLE 1
GND 2
CTL_A 3
GND 4
PB_HSW 5
HID1 6
FEND 7
FE_ON_L 8
FE_HSW 9
ERASE_L 10
CYL_FG_1 11
CYL_PG_1 12
SLOCK 13
+9V 14
+3V 15
+3V 16
+3R6V 17
+5R6V 18
+5R6V 19
-5R6V 20
7VL_12VH 21
EXT_DC_INF 22
POWER_ON_L 23
NON_SW_12V 24
ATF_ENABLE (1) CP620
CTL_A (10)
TP501 EYF6CU CP621
PB_HSW (1) CP609
HID1 (1) CP610
FEND (1) CP611
FE_ON_L (1) CP612
FE_HSW (1) CP613
ERASE_L (1) CP614
CYL_FG_1 (1) CP615
CYL_PG_1 (1)
SLOCK (1)
5.6V 3.6V +3V 9.0V
-5.6V
UNREG
P517 VJP1235T
UNREG+12V 1
UNREG+12V 2
UNREG_GND 3
UNREG_GND 4
NON_SW_12V 5
POWER_ON_L 6
EXT_DC_INF 7
7VL_12VH 8
+3VA
R501 D1H847344A008
R502 D1H810140001
CP616 CP617 CP618
(1) SV_F_SW1
(1) SV_F_RXD
(1) SV_F_TXD
Ref No. 500 Series.
COMPONENT NAME
RF & SERVO (CONNECTER)
05/11
CIRCUIT BOARD NO.
NTSC : VEP82241C
DRAWING NO.
KR2E00
SCM044
A B C D E F G H I J
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15



COMPONENT NAME	RF & SERVO (MECA SW/LOADING DRIVE)	06/11
CIRCUIT BOARD NO.		DRAWING NO.
NTSC : VEP82241C		KR2E00
		SCM045

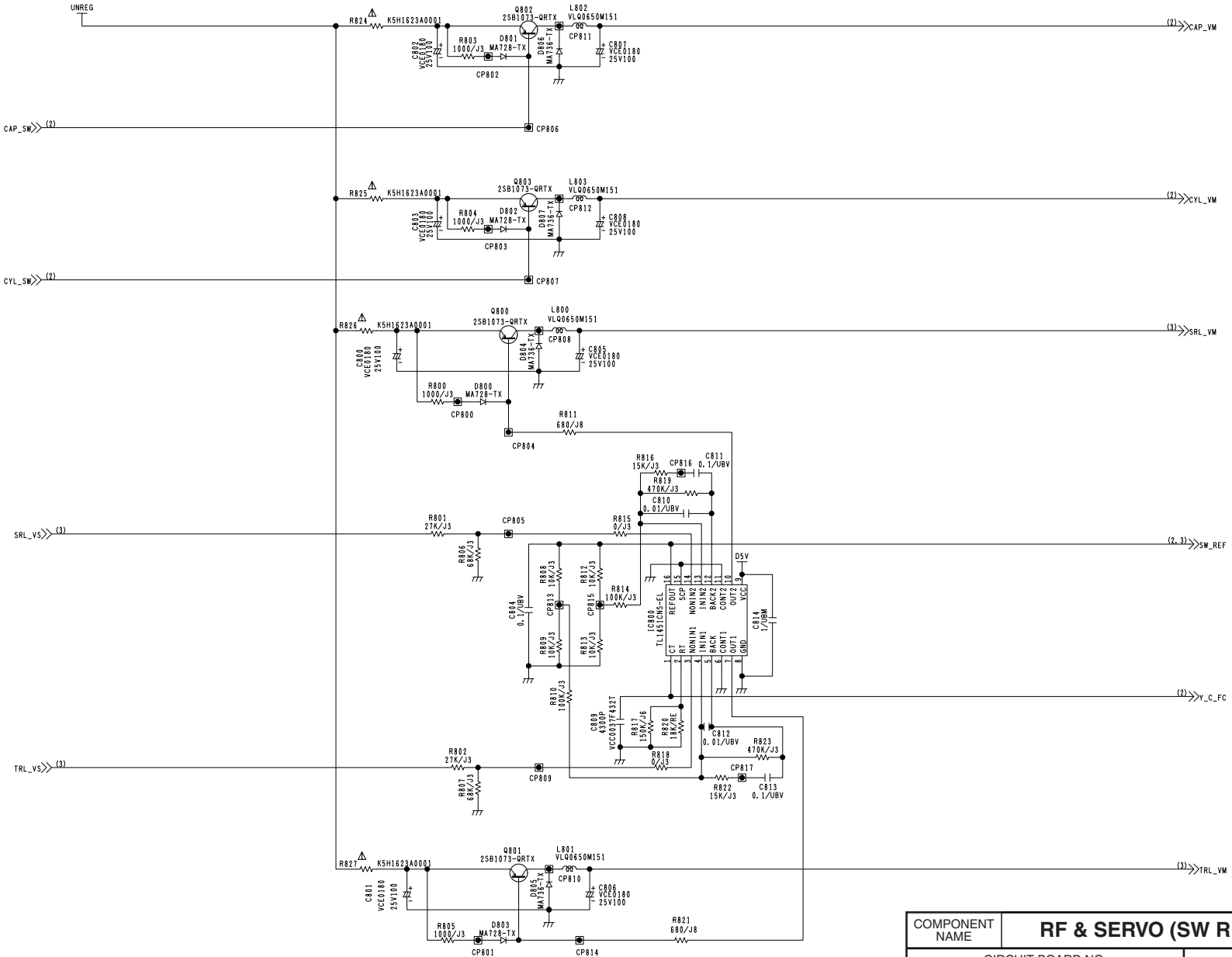


PAT=PATTERN ONLY
Ref No. 700 Series.

COMPONENT NAME	RF & SERVO (SOL DRIVE)	07/11
CIRCUIT BOARD NO.		DRAWING NO.
NTSC : VEP82241C		KR2E00
		SCM046

A B C D E F G H I J

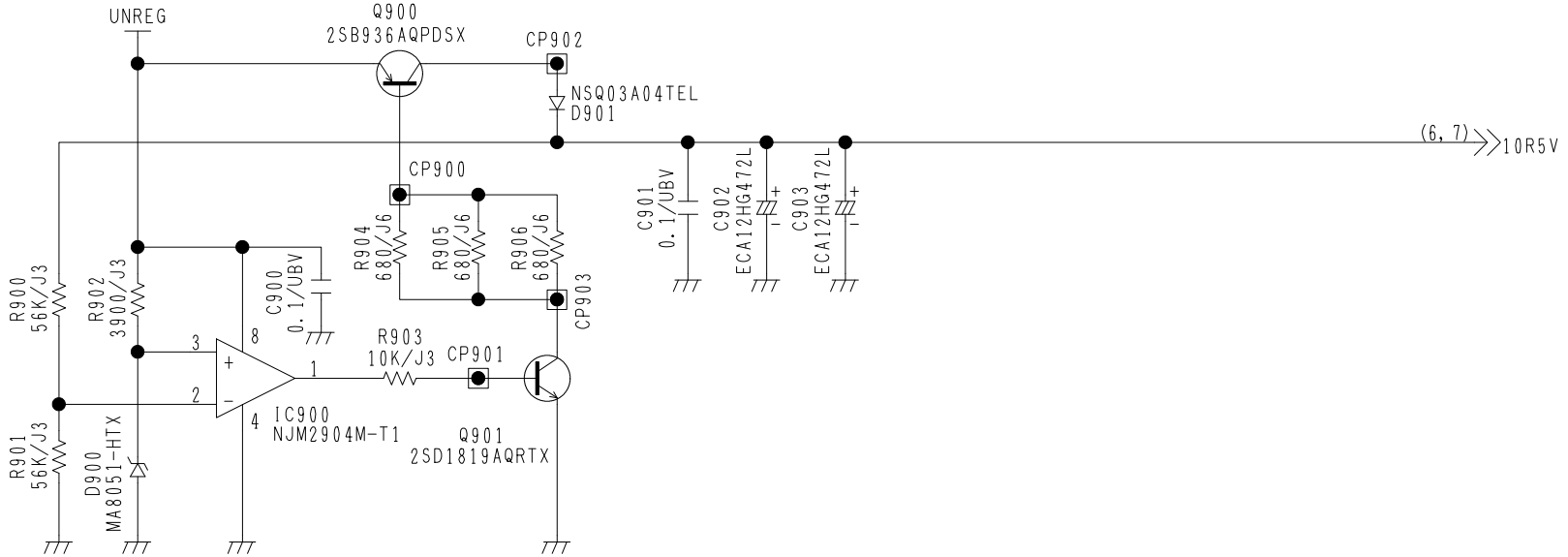
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

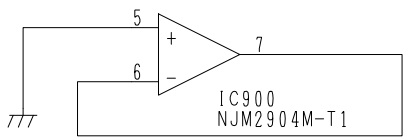


COMPONENT NAME	RF & SERVO (SW REG)	08/11
CIRCUIT BOARD NO.		DRAWING NO.
NTSC : VEP82241C		KR2E00
		SCM047

A B C D E F G H I J

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

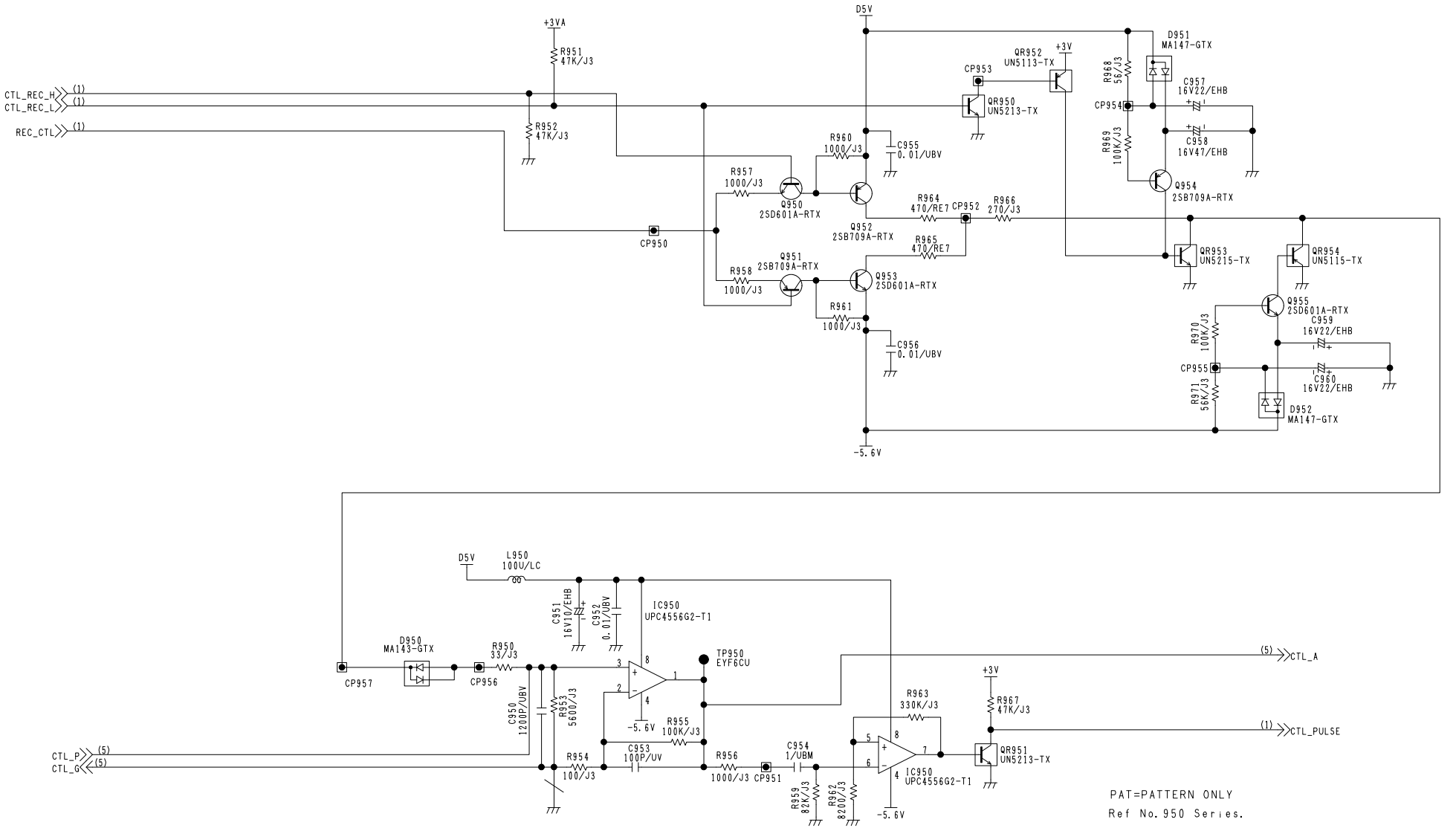




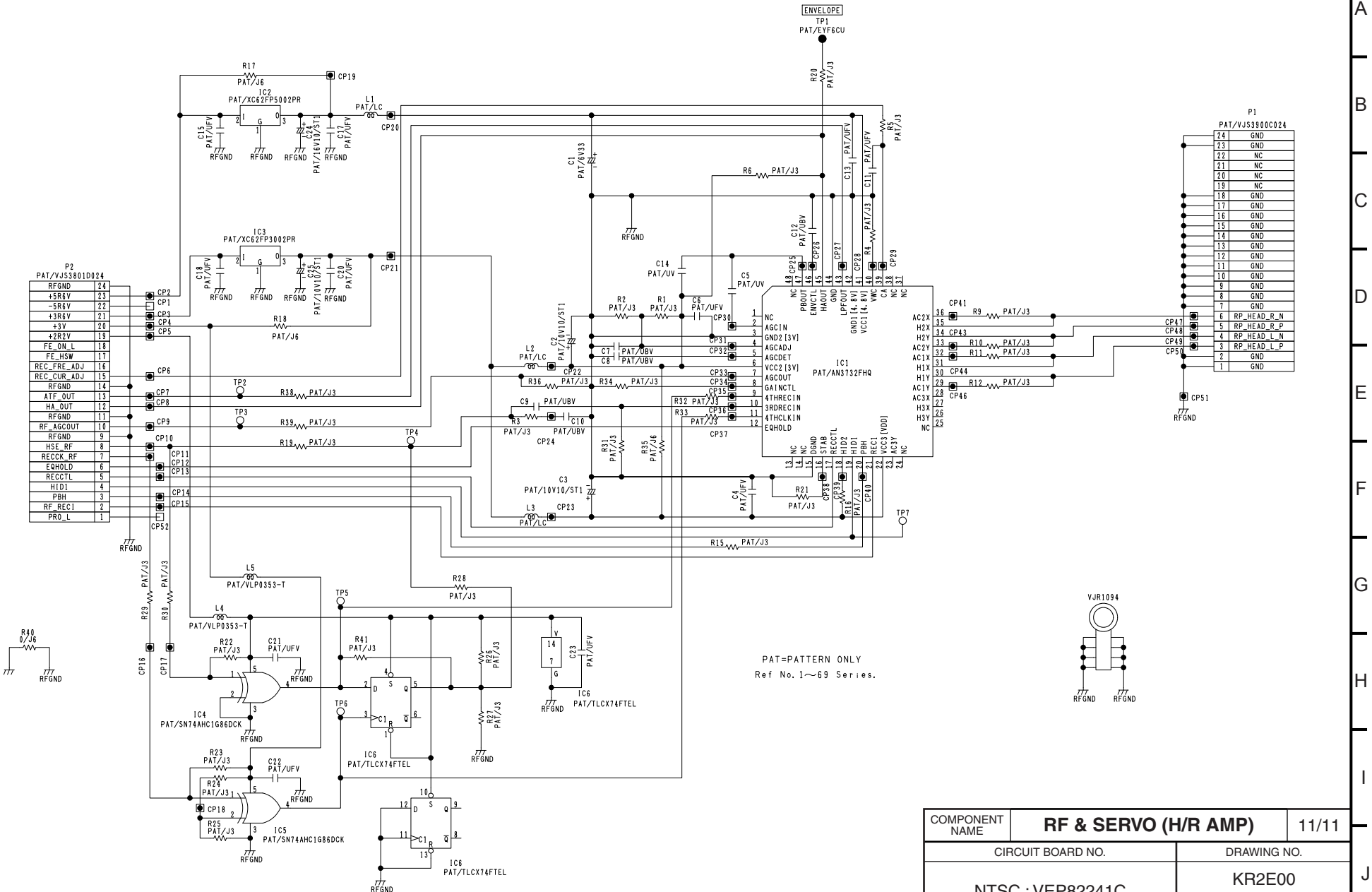
COMPONENT NAME	RF & SERVO (SOL POWER)	09/11
CIRCUIT BOARD NO.		DRAWING NO.
NTSC : VEP82241C		KR2E00
		SCM048

A B C D E F G H I J

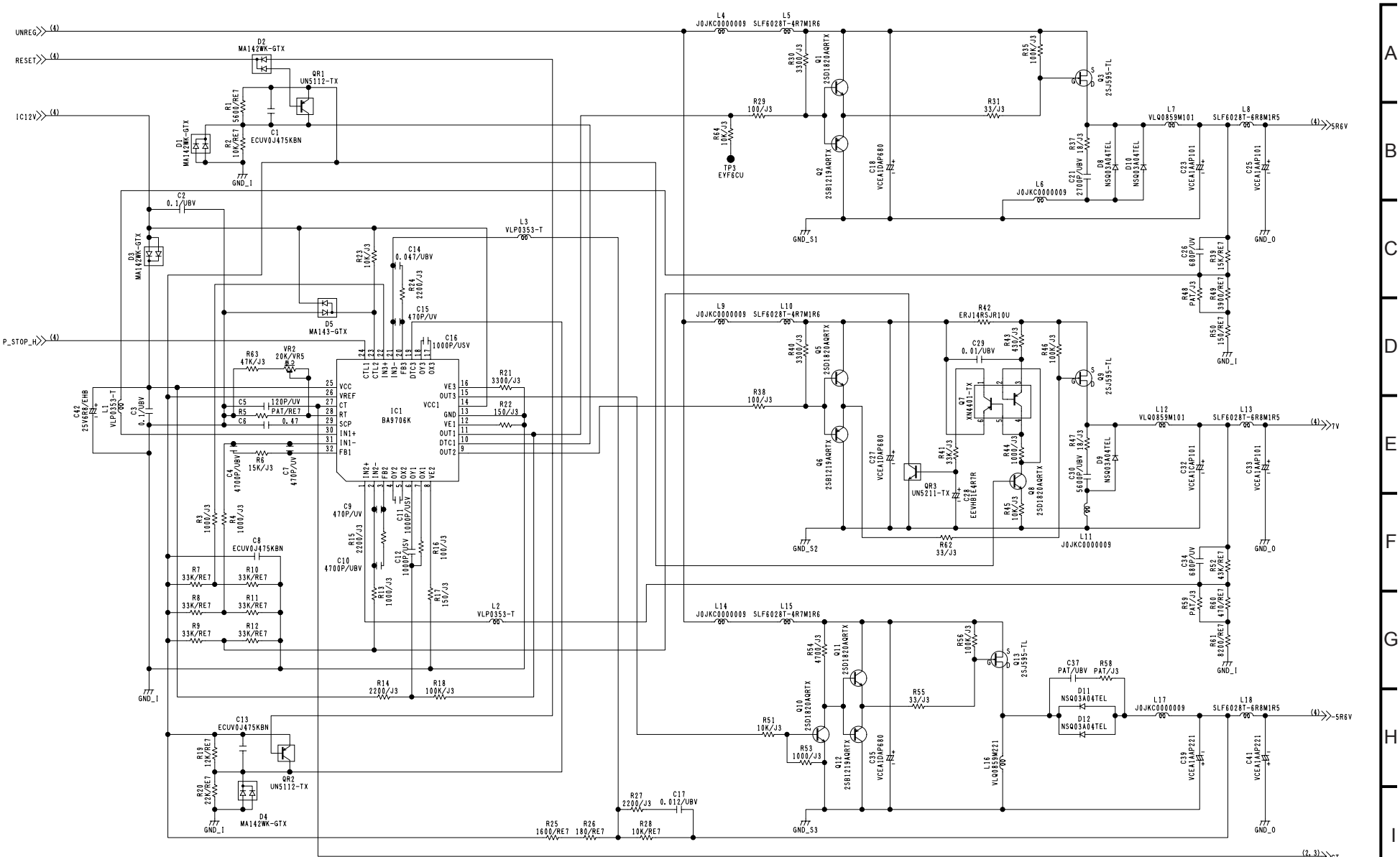
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15



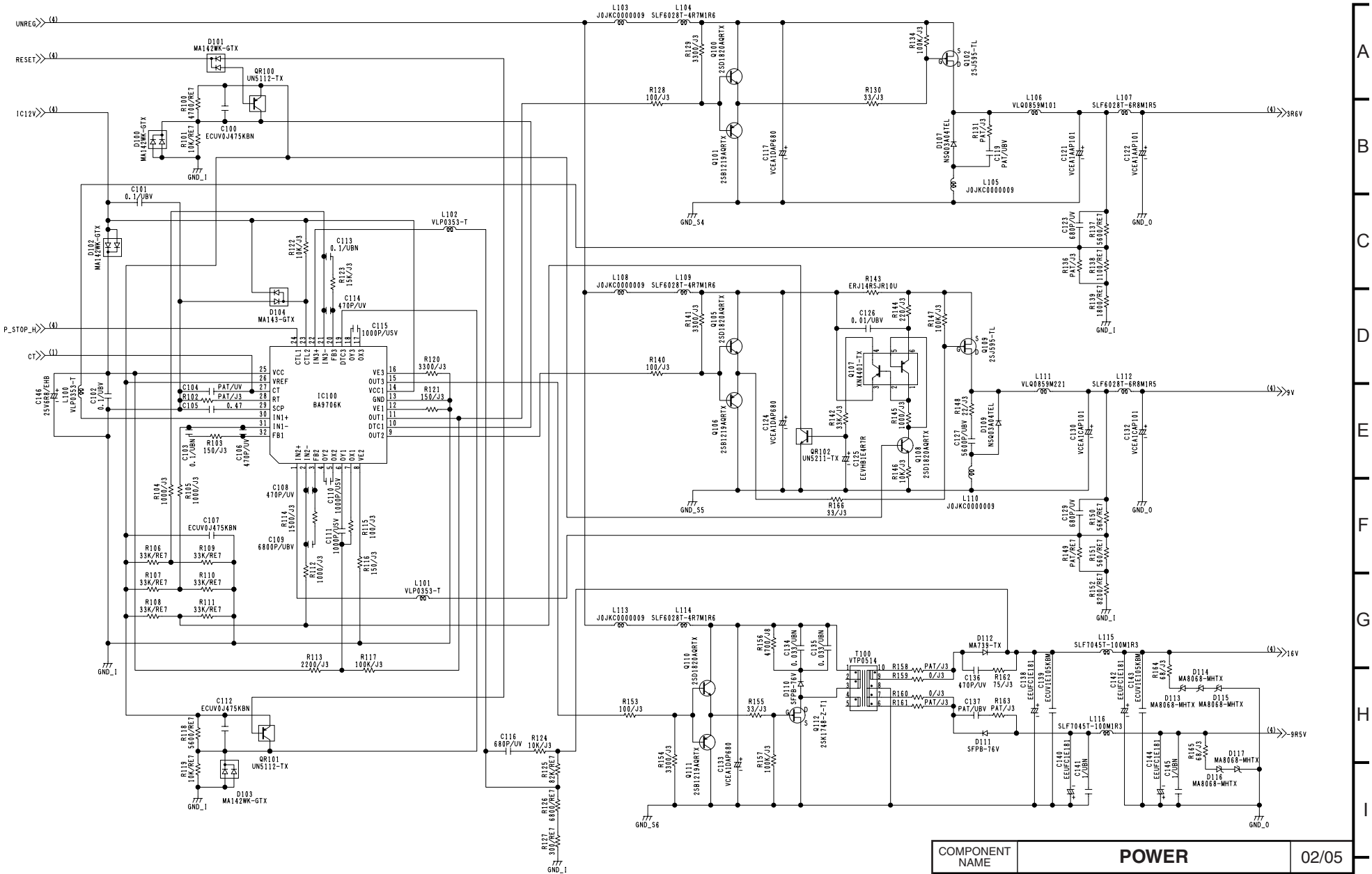
COMPONENT NAME	RF & SERVO (CTL AMP)	10/11
CIRCUIT BOARD NO.		DRAWING NO.
NTSC : VEP82241C		KR2E00
		SCM049



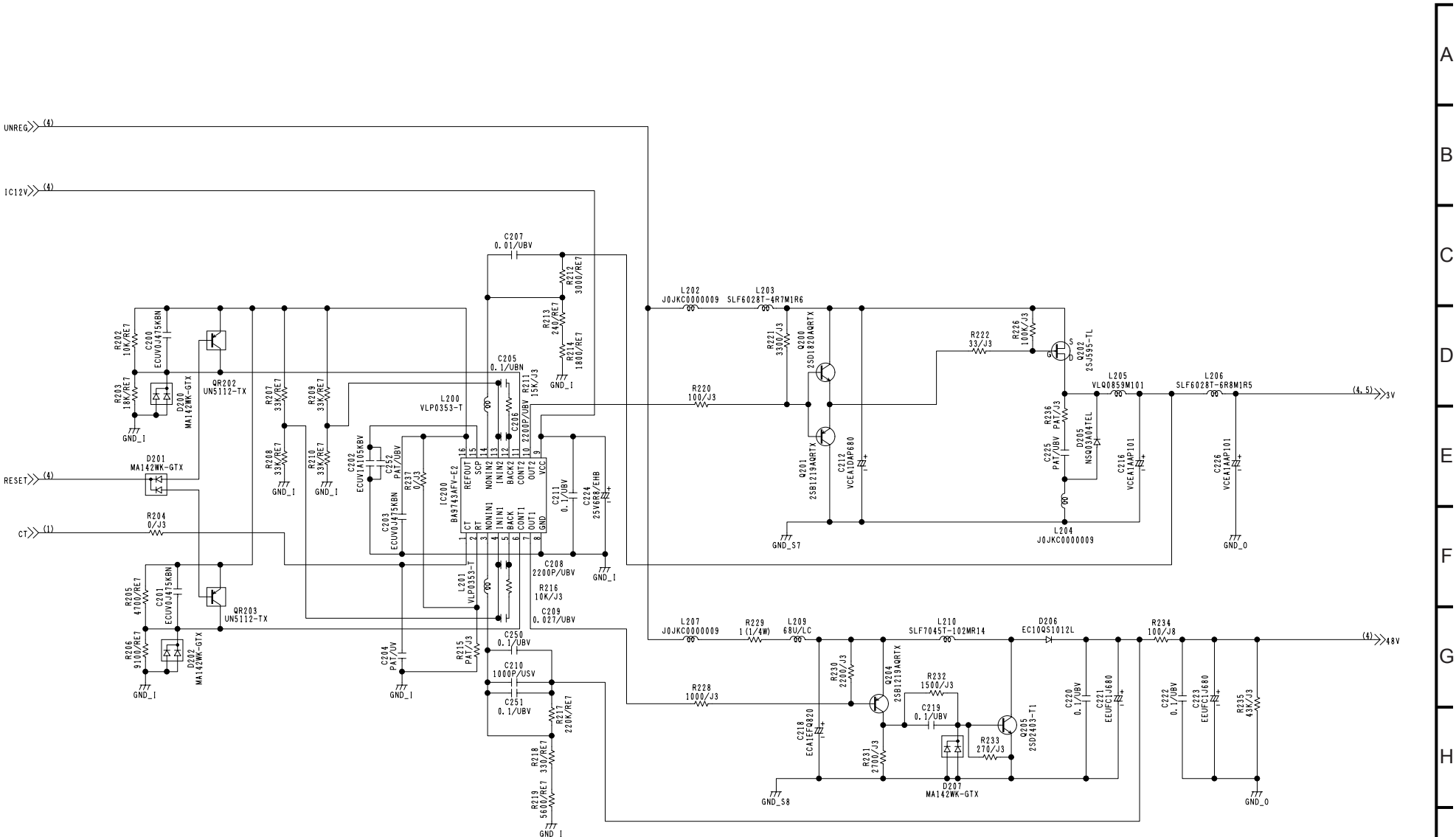
COMPONENT NAME	**RF & SERVO (H/R AMP)**	11/11
CIRCUIT BOARD NO.		DRAWING NO.
NTSC : VEP82241C		KR2E00
		SCM050



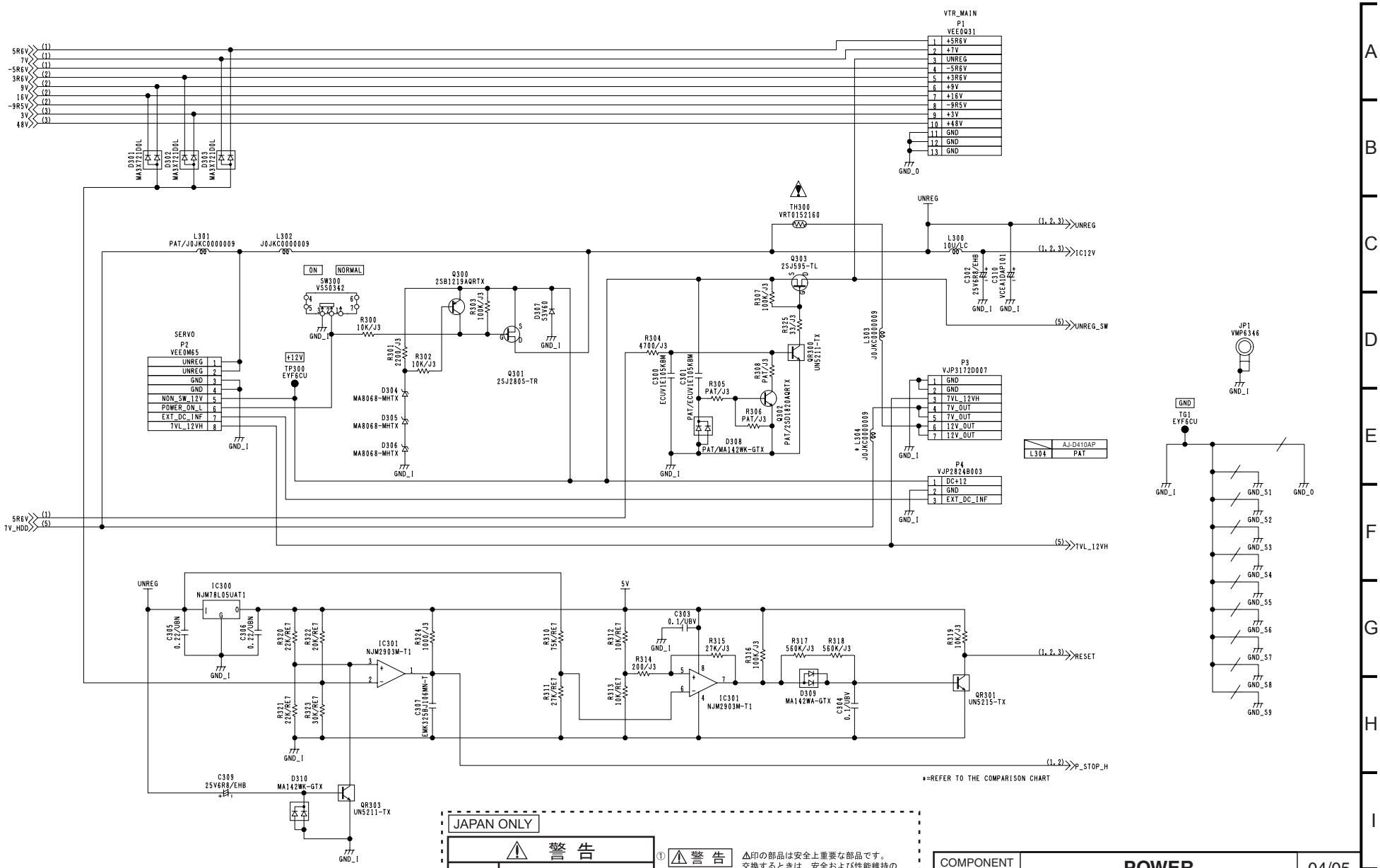
COMPONENT NAME	**POWER**	01/05
CIRCUIT BOARD NO.	DRAWING NO.	
NTSC : VEP81220C	KR1E83-1	
	SCM051	



COMPONENT NAME	**POWER**	02/05
CIRCUIT BOARD NO.		DRAWING NO.
NTSC : VEP81220C		KR1E83-1
		SCM052



COMPONENT NAME	POWER	03/05
CIRCUIT BOARD NO.		DRAWING NO.
NTSC : VEP81220C		KR1E83-1
		SCM053



CAUTION

THE '⎍' MARK INDICATES THE PRIMARY CIRCUIT TO DISTINGUISH THE PRIMARY FROM THE SECONDARY CIRCUIT. PAY ATTENTION NOT TO RECEIVE AN ELECTRIC SHOCK DURING REPAIR AND SERVICE OF THE PRODUCTS.

IMPORTANT SAFETY NOTICE:

Components identified with the mark ⚠ have the special characteristics for safety.
When replacing any of these components, use only the same type.

JAPAN ONLY

⚠ 警 告

感電注意

ＡＣ100Vの加わっている活電部（充電部、活電部）に直接触れないでください。

☞感電ややけどの可能性があります。

① ⚠警 告 ⚠印の部品は安全上重要な部品です。交換するときは、安全および性能維持のため必ず指定の部品をご使用ください。

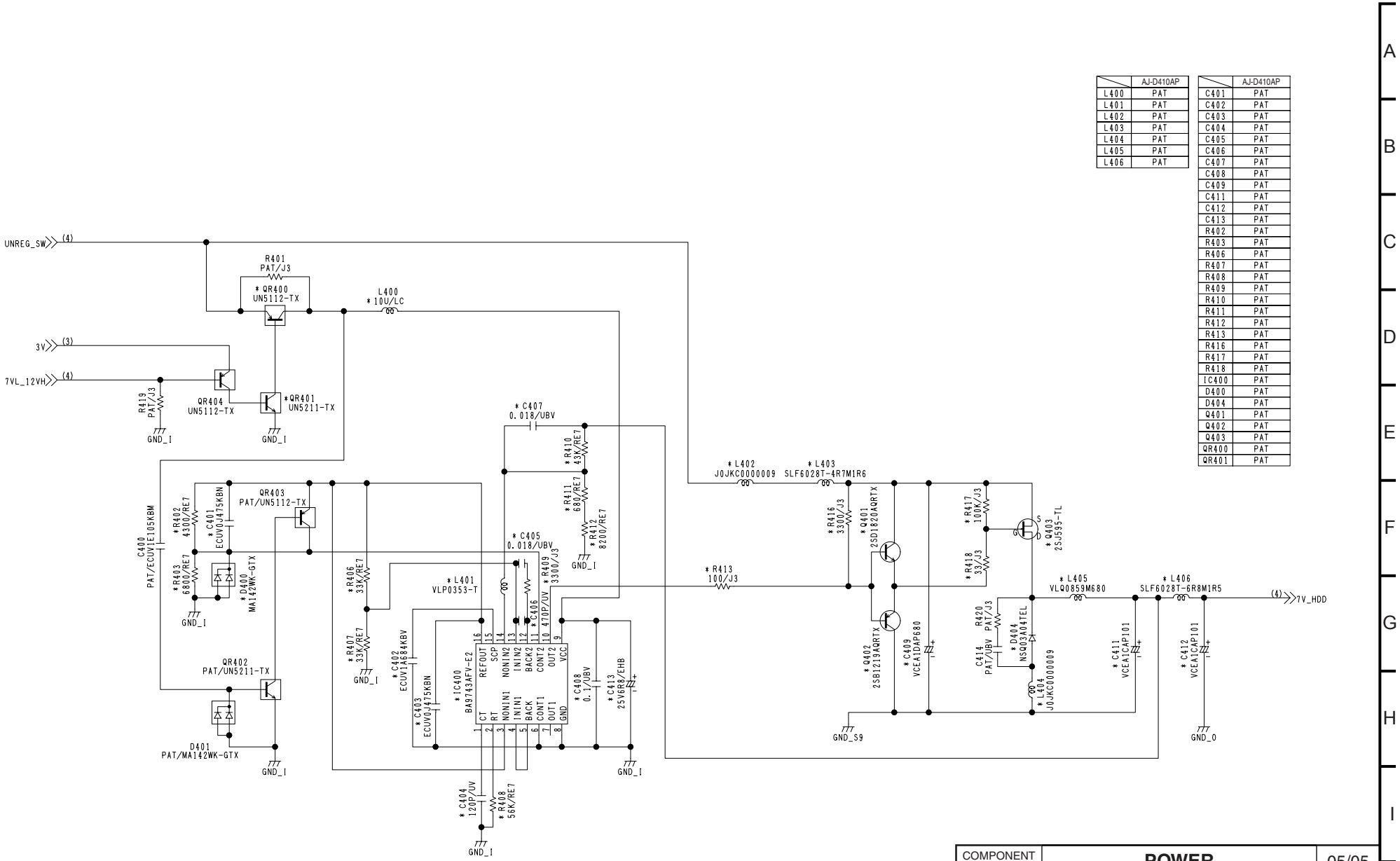
② ⋯⋯ 内は充電部です。ＡＣ100Vが加わっておりますので点検・修理のときは感電しないよう充分ご注意下さい。

③ 部品交換時には、電源プラグをぬいてから行なってください。

④ 一次側（充電部）の電圧・波形は、一次側アースを基準に測定してください。

⑤ 部品品番は、部品価格表で確認の上交換ください。

COMPONENT NAME	POWER	04/05
CIRCUIT BOARD NO.		DRAWING NO.
NTSC : VEP81220C		KR1E83-1
		SCM054

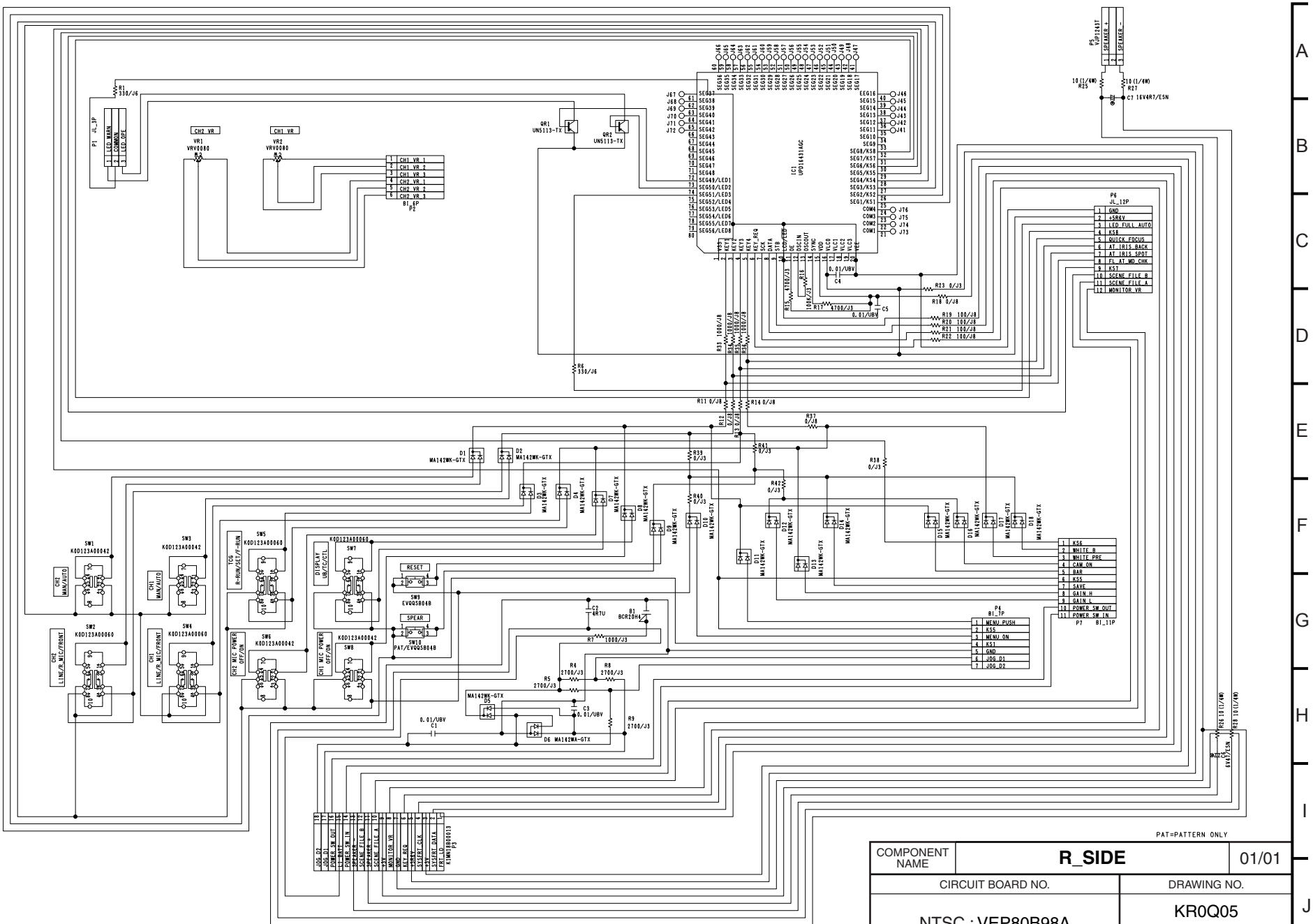


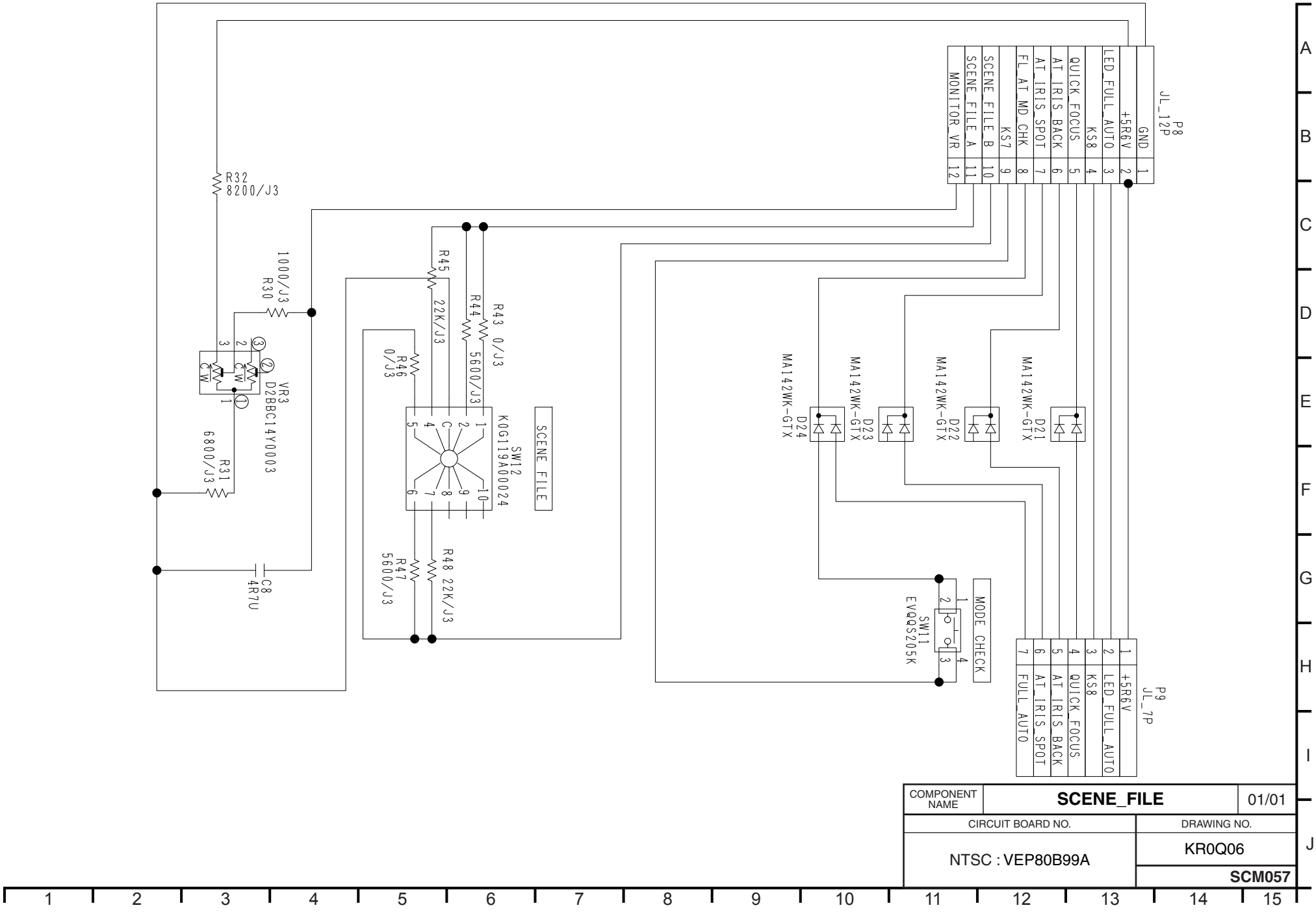
*=REFER TO THE COMPARISON CHART

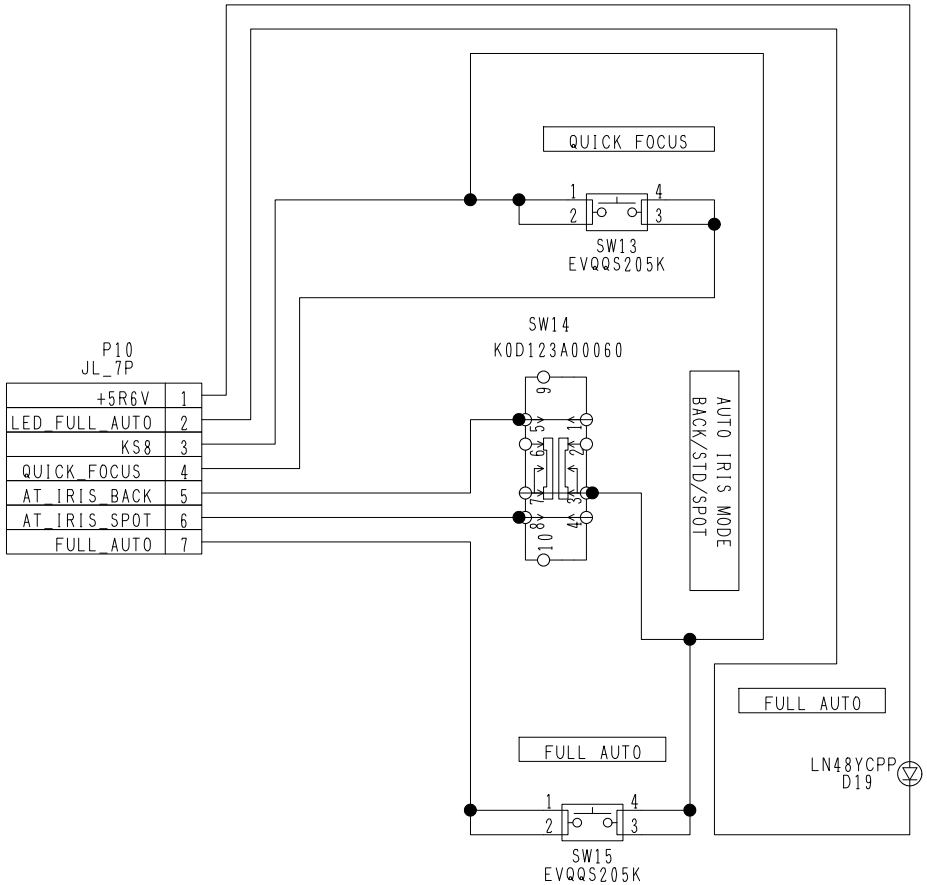
	AJ-D410AP
L400	PAT
L401	PAT
L402	PAT
L403	PAT
L404	PAT
L405	PAT
L406	PAT

	AJ-D410AP
C401	PAT
C402	PAT
C403	PAT
C404	PAT
C405	PAT
C406	PAT
C407	PAT
C408	PAT
C409	PAT
C411	PAT
C412	PAT
C413	PAT
R402	PAT
R403	PAT
R406	PAT
R407	PAT
R408	PAT
R409	PAT
R410	PAT
R411	PAT
R412	PAT
R413	PAT
R416	PAT
R417	PAT
R418	PAT
IC400	PAT
D400	PAT
D404	PAT
Q401	PAT
Q402	PAT
Q403	PAT
QR400	PAT
QR401	PAT

COMPONENT NAME	**POWER**	05/05
CIRCUIT BOARD NO.		DRAWING NO.
NTSC : VEP81220C		KR1E83-1
		SCM055

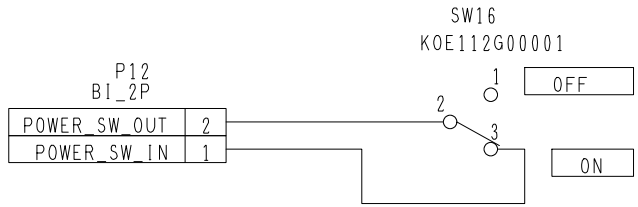

PAT=PATTERN ONLY
COMPONENT NAME
R_SIDE
01/01
CIRCUIT BOARD NO.
NTSC : VEP80B98A
DRAWING NO.
KR0Q05
SCM056


P8
JL_12P
GND 1
+5R6V 2
LED_FULL_AUTO 3
KS8 4
QUICK_FOCUS 5
AT_IRIS_BACK 6
AT_IRIS_SPOT 7
FL_AT_MD_CHK 8
KS7 9
SCENE_FILE_B 10
SCENE_FILE_A 11
MONITOR_VR 12
R32
8200/J3
1000/J3
R30
VR3
D2BBC14Y0003
R31
6800/J3
C8
4R7U
R45
22K/J3
R44
5600/J3
R43 0/J3
R46
0/J3
SW12
K0G119A00024
SCENE FILE
R47
5600/J3
R48 22K/J3
D24
MA142WK-GTX
D23
MA142WK-GTX
D22
MA142WK-GTX
D21
MA142WK-GTX
SW11
EVQQS205K
MODE CHECK
P9
JL_7P
+5R6V 1
LED_FULL_AUTO 2
KS8 3
QUICK_FOCUS 4
AT_IRIS_BACK 5
AT_IRIS_SPOT 6
FULL_AUTO 7
COMPONENT NAME
SCENE_FILE
01/01
CIRCUIT BOARD NO.
NTSC : VEP80B99A
DRAWING NO.
KR0Q06
SCM057



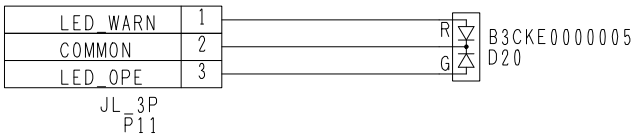
PAT=PATTERN ONLY

COMPONENT NAME	AUTO_IRIS	01/01
CIRCUIT BOARD NO.	DRAWING NO.	
NTSC: VEP80C00A	KR0Q07	
	SCM058	



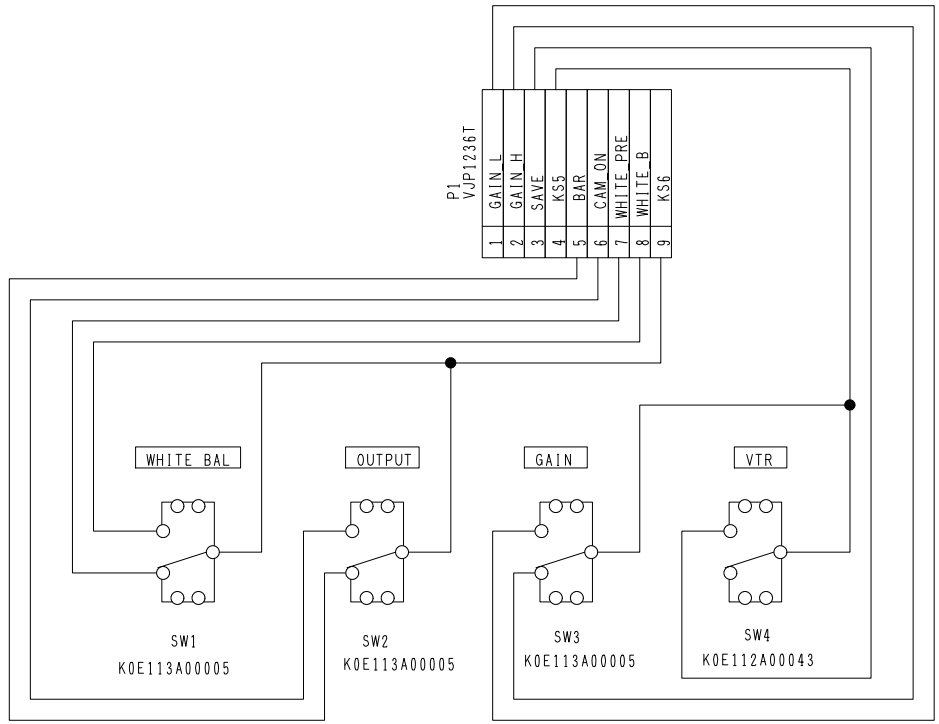
PAT=PATTERN ONLY

COMPONENT NAME	POWER_SW	01/01
CIRCUIT BOARD NO.	DRAWING NO.	
NTSC: VEP80B97A	KR0Q04	
	SCM058	



PAT=PATTERN ONLY

COMPONENT NAME	LED	01/01
CIRCUIT BOARD NO.	DRAWING NO.	
NTSC: VEP80C01B	KR0Q08	
	SCM059	

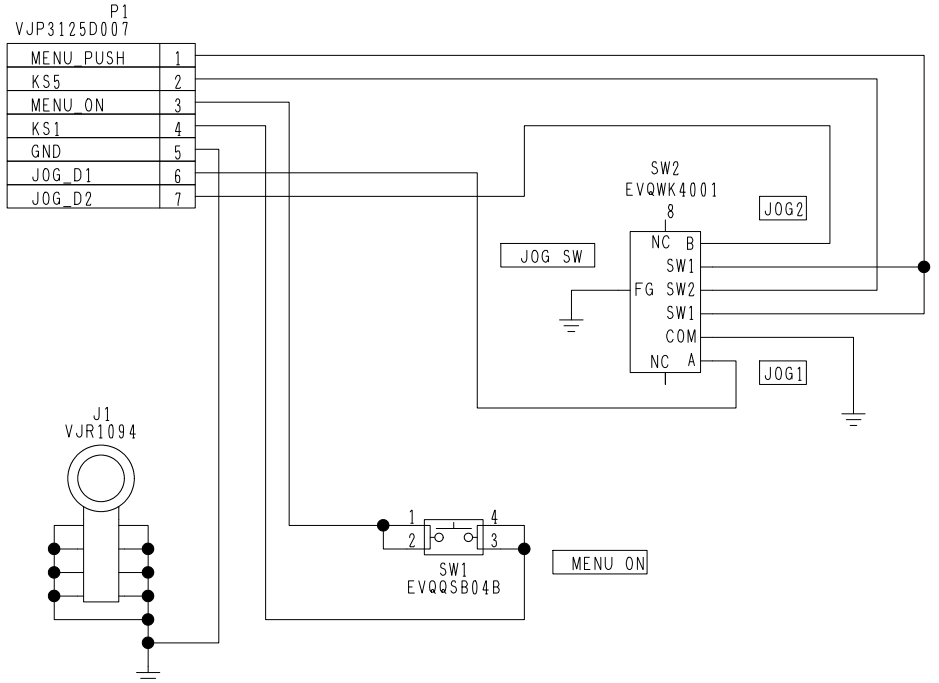


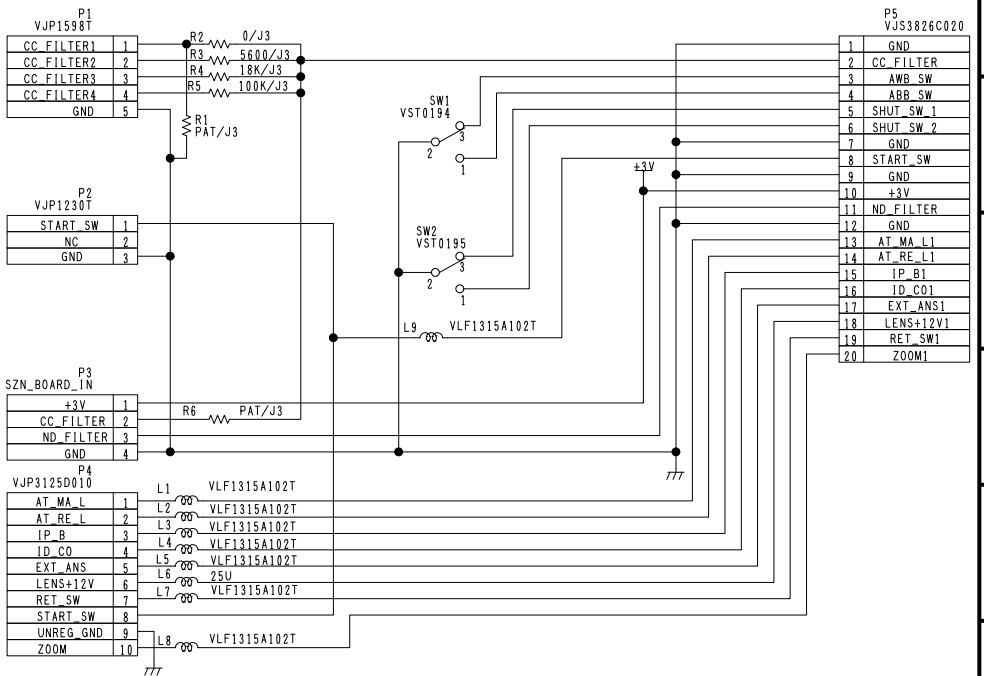
PAT=PATTERN ONLY

COMPONENT NAME	TOGGLE SW	01/01
CIRCUIT BOARD NO.	DRAWING NO.	
NTSC: VEP80B94A	KR0Q01	
	SCM059	

A B C D E F G H I J

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15





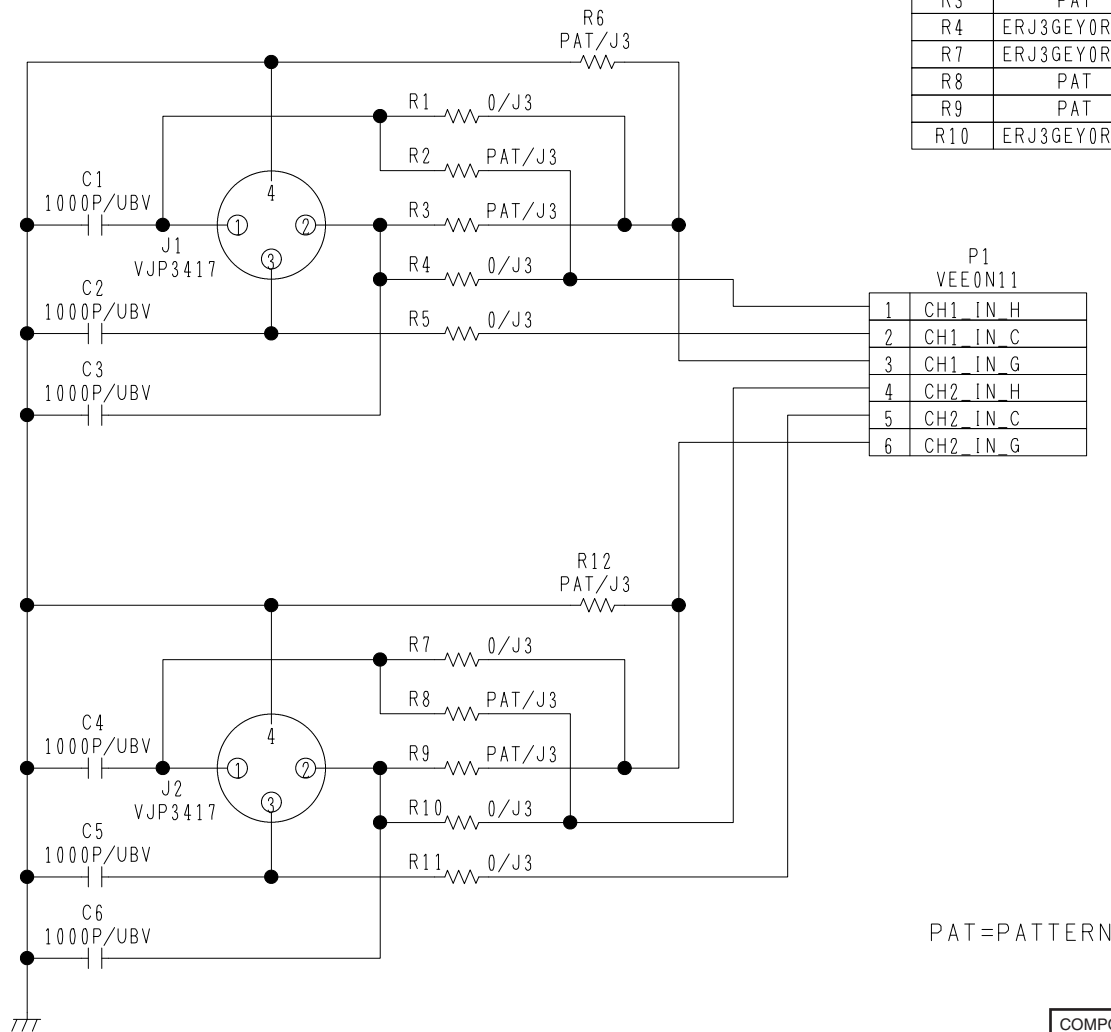
COMPONENT NAME	MENU_JOG	01/01
CIRCUIT BOARD NO.	DRAWING NO.	
NTSC: VEP80B96A	KR0Q03	
	SCM060	

COMPONENT NAME	FRONT TOGGLE SW	01/01
CIRCUIT BOARD NO.	DRAWING NO.	
NTSC: VEP80C02A	KR0Q10	
	SCM060	

A B C D E F G H I J

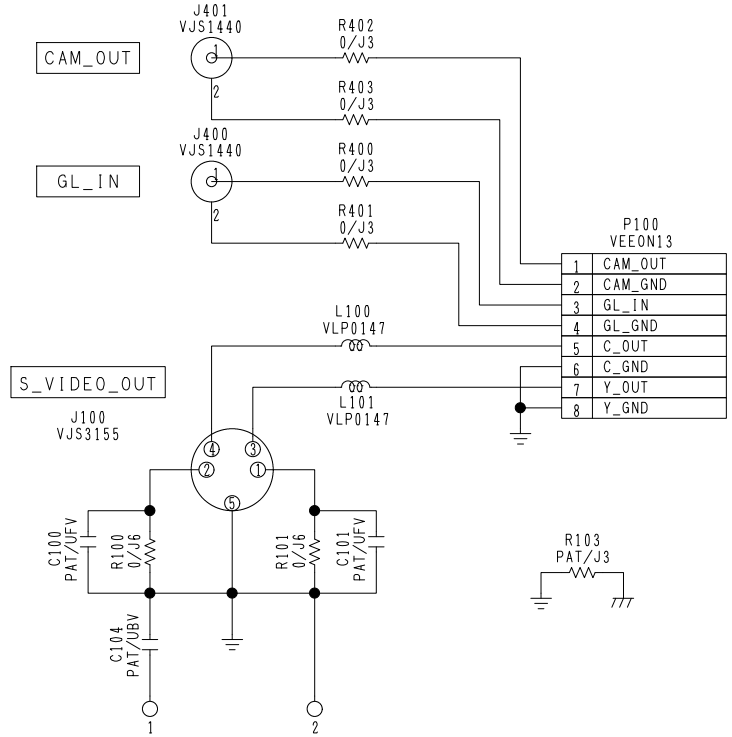
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

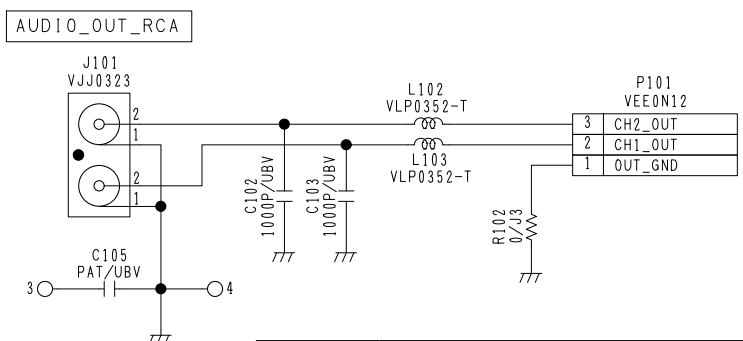
	FOR JAPAN	EXCEPT JAPAN
J1	VJP3417	VJS3417
J2	VJP3417	VJS3417
R1	ERJ3GEY0R00V	PAT
R2	PAT	ERJ3GEY0R00V
R3	PAT	ERJ3GEY0R00V
R4	ERJ3GEY0R00V	PAT
R7	ERJ3GEY0R00V	PAT
R8	PAT	ERJ3GEY0R00V
R9	PAT	ERJ3GEY0R00V
R10	ERJ3GEY0R00V	PAT



PAT=PATTERN ONLY

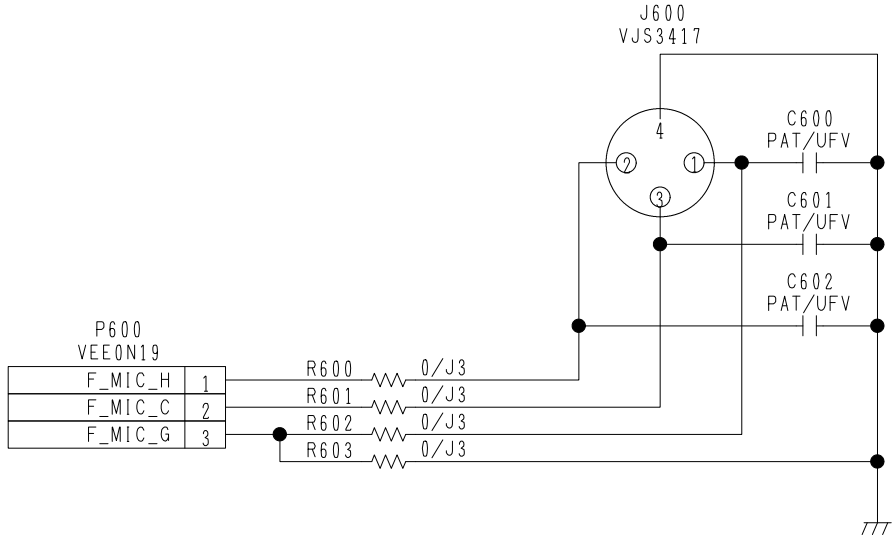
COMPONENT NAME	REAR JACK	01/01
CIRCUIT BOARD NO.		DRAWING NO.
NTSC : VEP80C06A (FOR JAPAN) VEP80C06B (EXCEPT JAPAN)		KR0Q16
		SCM061





PAT=PATTERN ONLY

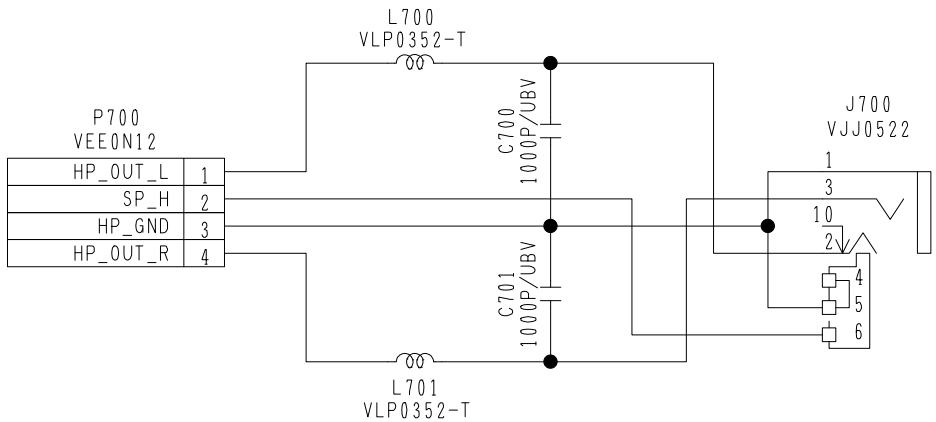
COMPONENT NAME	AV_OUT	01/01
CIRCUIT BOARD NO.		DRAWING NO.
NTSC: VEP80C07B		KR0Q17
		SCM062



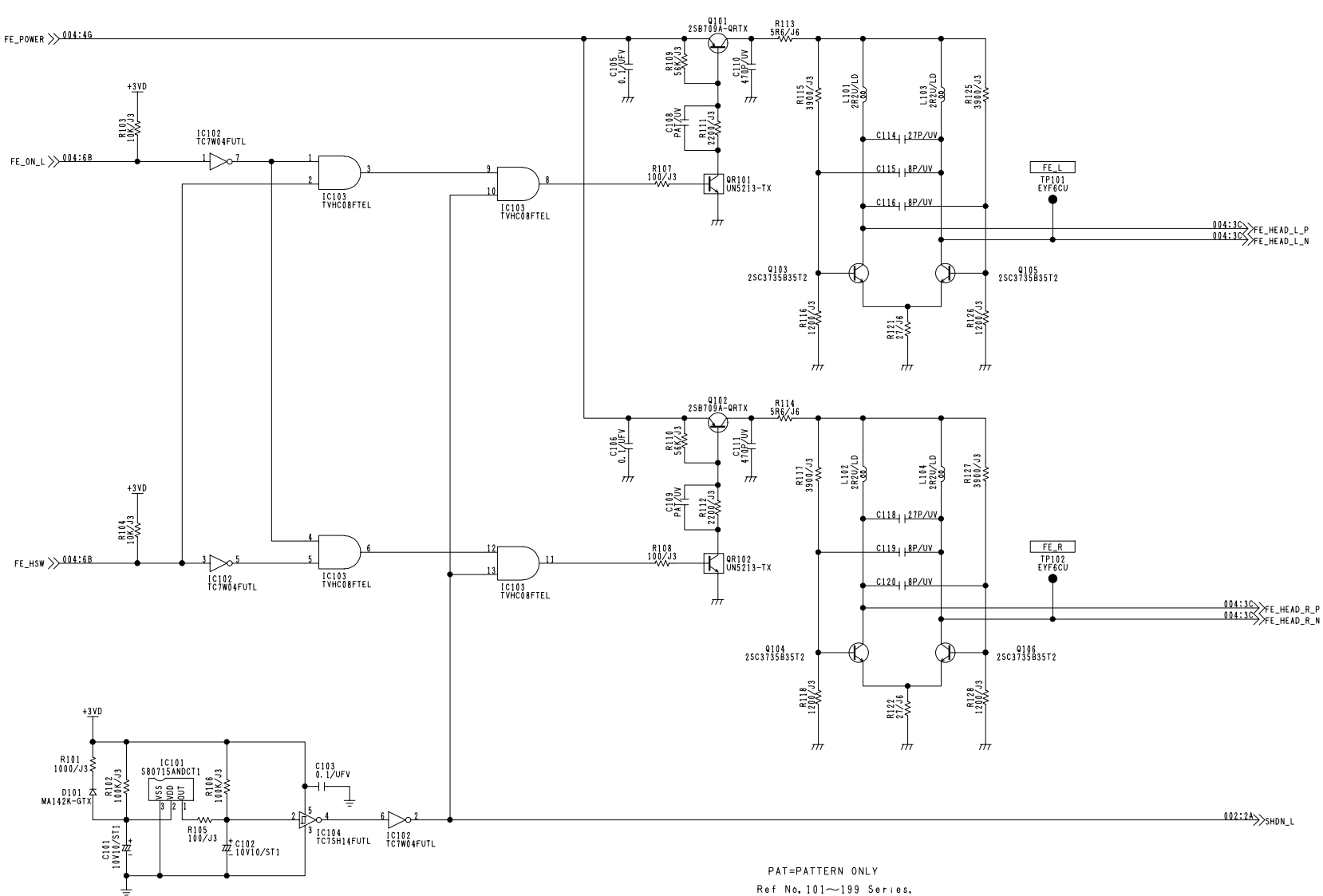
COMPONENT NAME	FRONT_MIC	01/01
CIRCUIT BOARD NO.		DRAWING NO.
NTSC: VEP80C12A		KR0Q22
		SCM062

A B C D E F G H I J

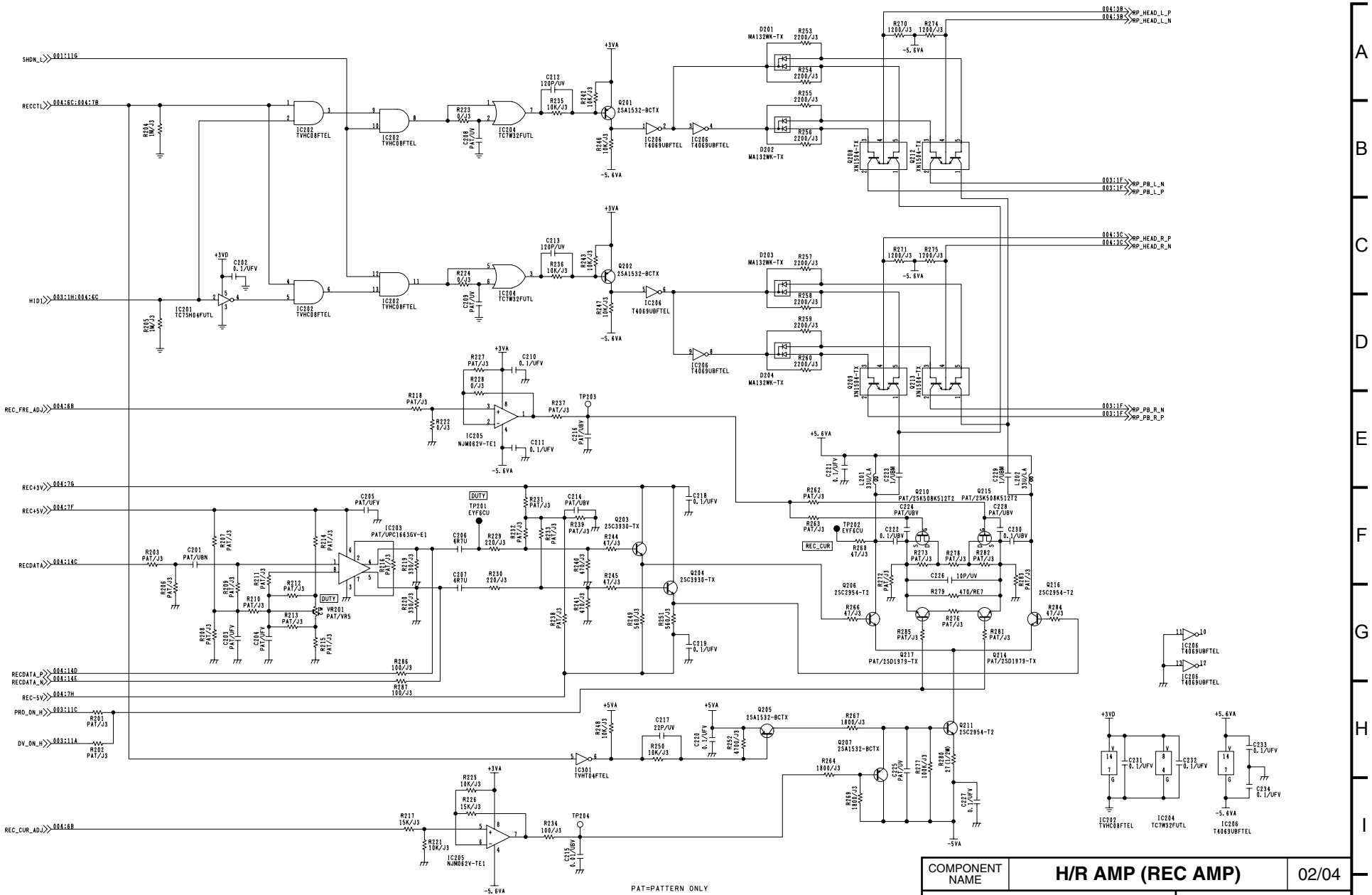
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15



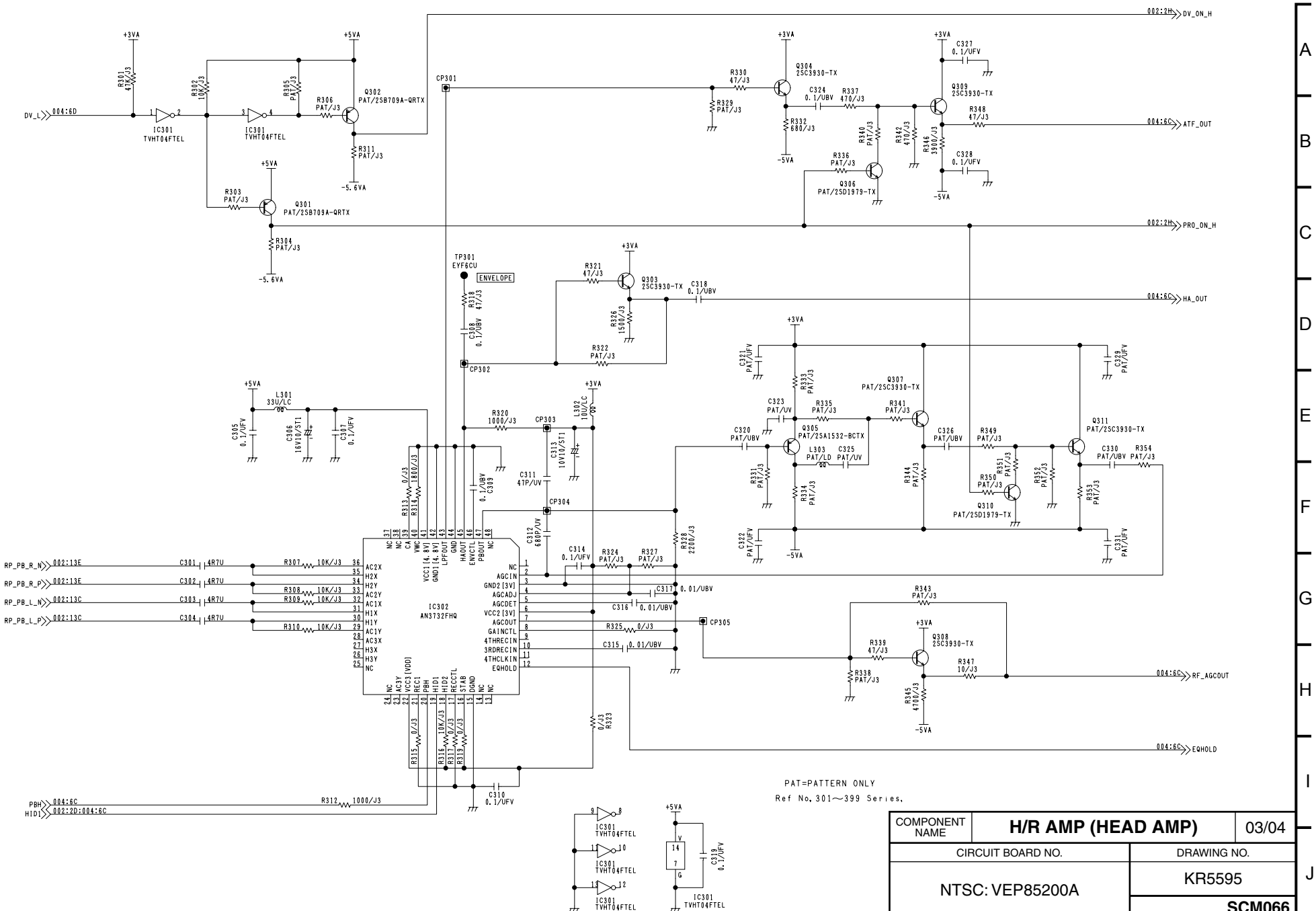
COMPONENT NAME	HEAD_PHONE	01/01
CIRCUIT BOARD NO.		DRAWING NO.
NTSC: VEP000U0A		KR0Q63
		SCM063



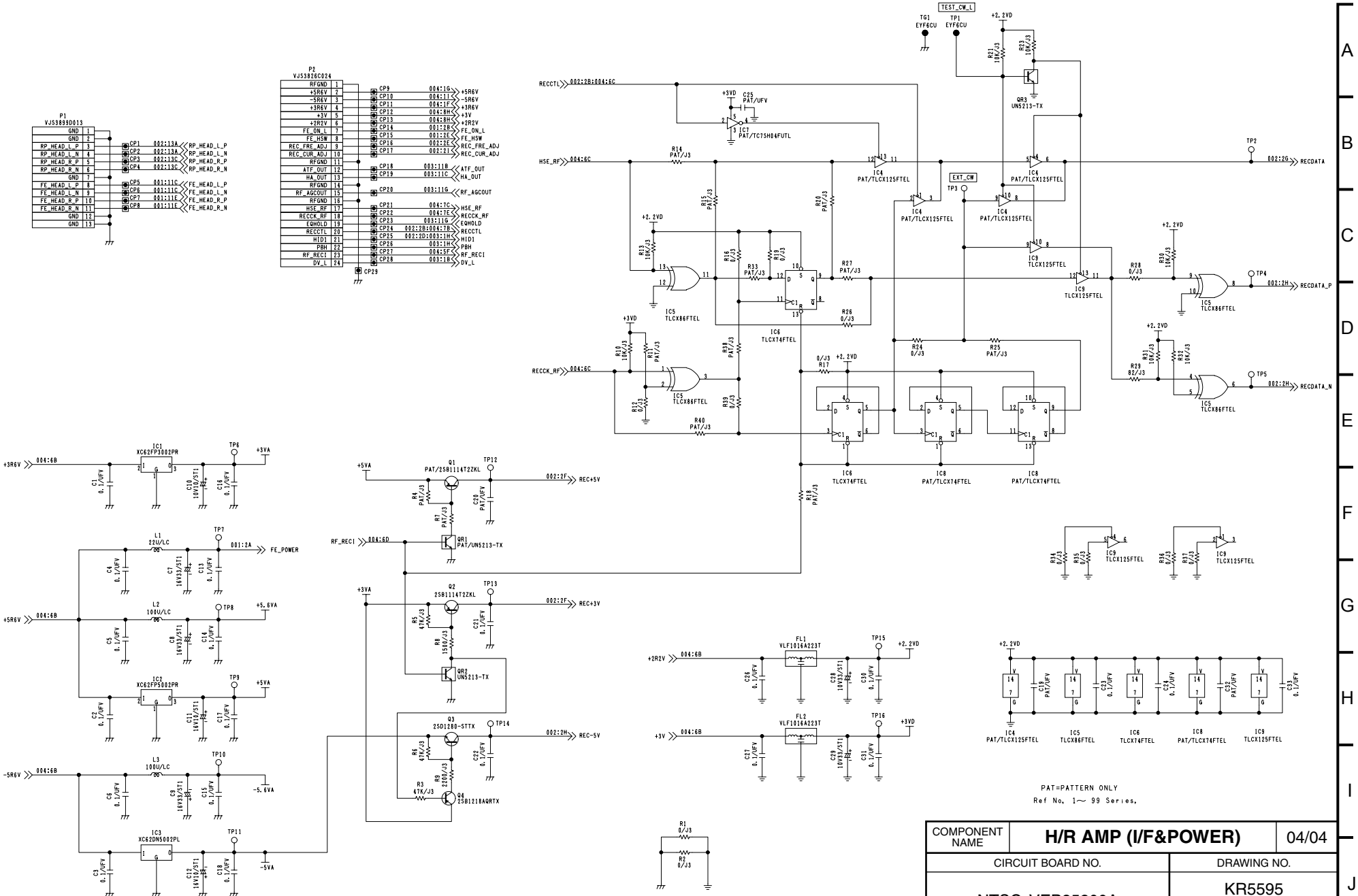
COMPONENT NAME	**H/R AMP (FE)**	01/04
CIRCUIT BOARD NO.		DRAWING NO.
NTSC: VEP85200A		KR5595
		SCM064



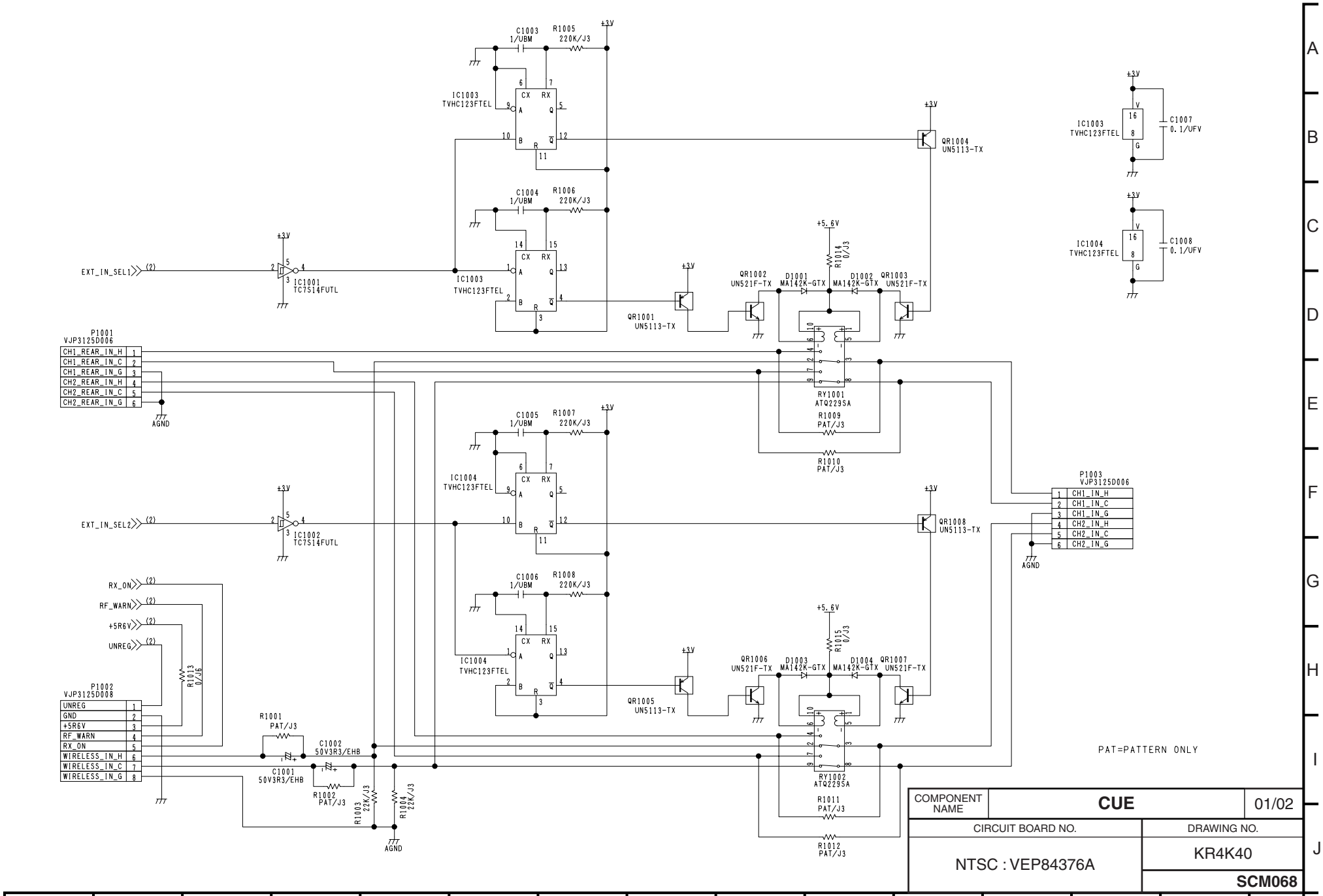
COMPONENT NAME	**H/R AMP (REC AMP)**	02/04
CIRCUIT BOARD NO.		DRAWING NO.
NTSC: VEP85200A		KR5595
		SCM065



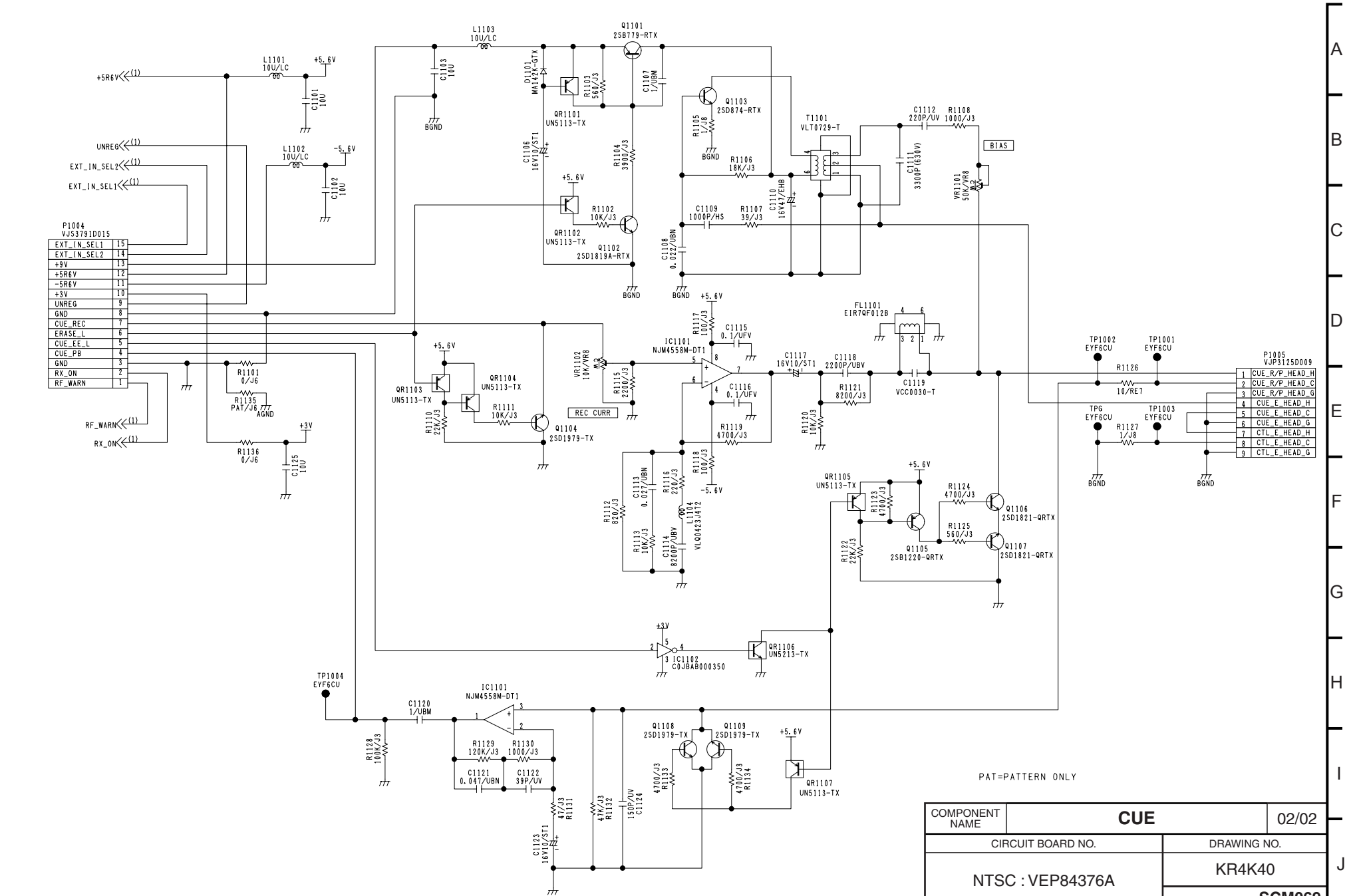
COMPONENT NAME	H/R AMP (HEAD AMP)	03/04
CIRCUIT BOARD NO.		DRAWING NO.
NTSC: VEP85200A		KR5595
		SCM066

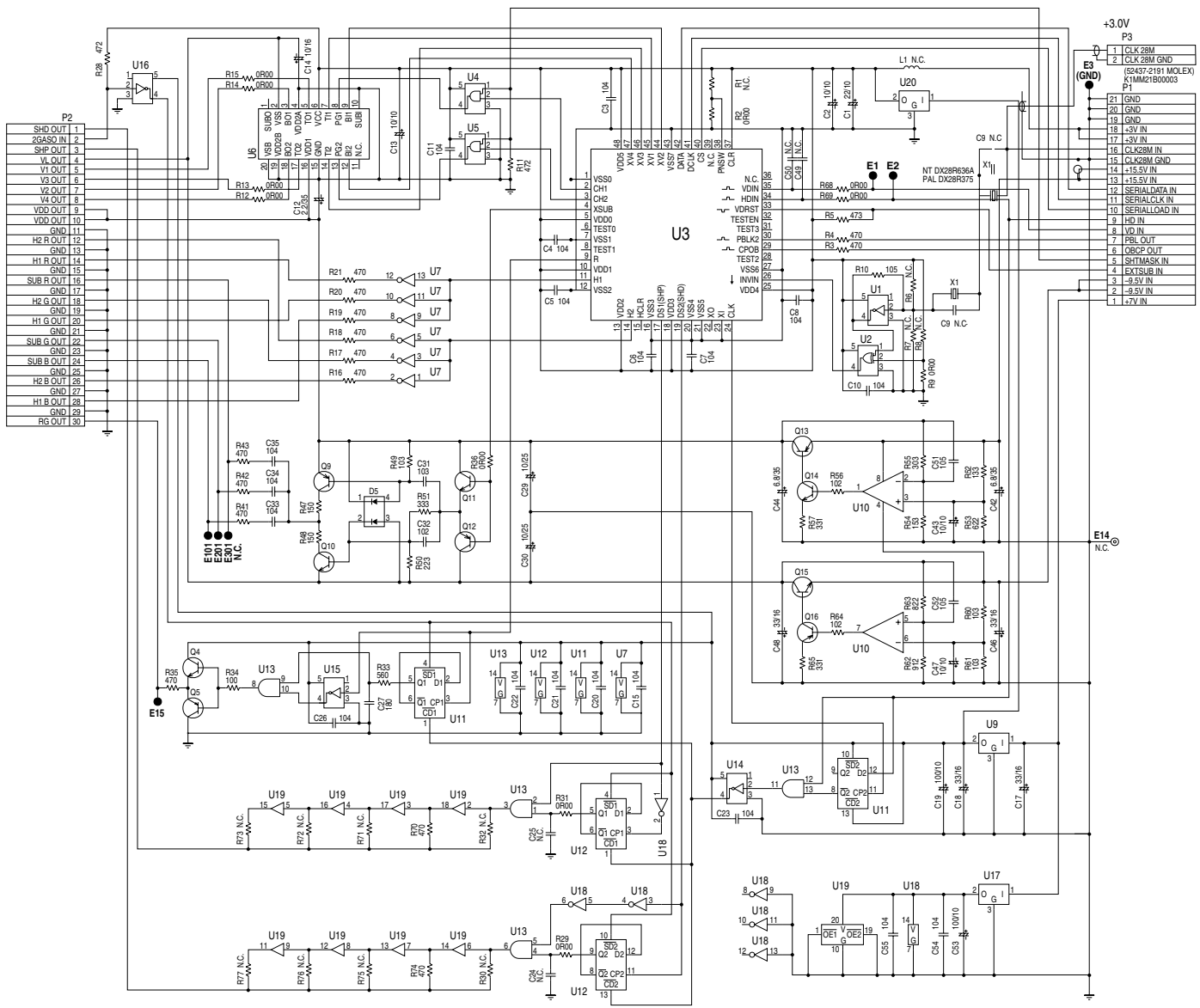


COMPONENT NAME	H/R AMP (I/F&POWER)		04/04
CIRCUIT BOARD NO.		DRAWING NO.	
NTSC: VEP85200A		KR5595	
		SCM067	

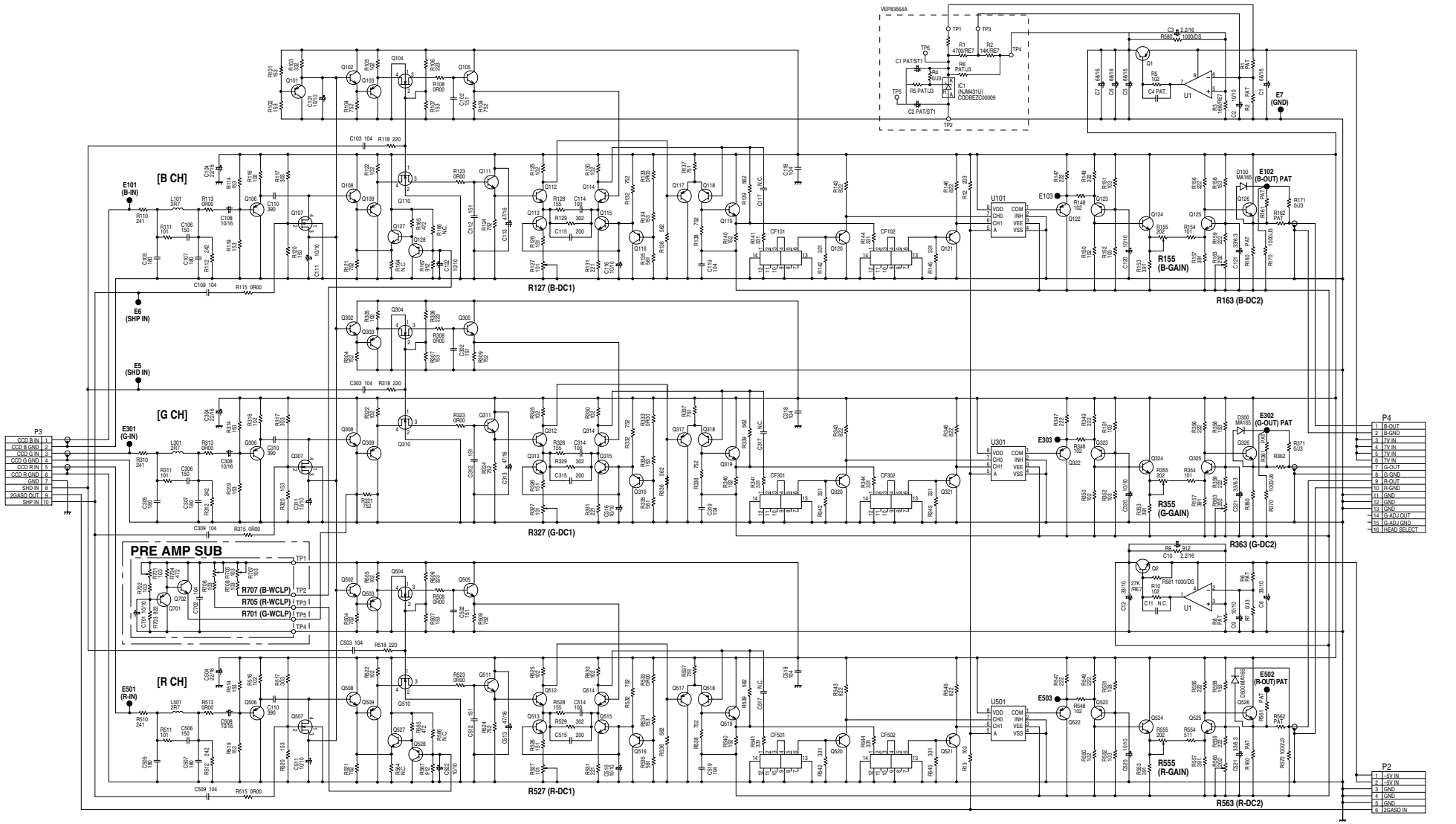


COMPONENT NAME	**CUE**	01/02
CIRCUIT BOARD NO.		DRAWING NO.
NTSC : VEP84376A		KR4K40
		SCM068


P1004
VJS3791D015
EXT_IN_SEL1
EXT_IN_SEL2
+9V
+5R6V
-5R6V
+3V
UNREG
GND
CUE_REC
ERASE_L
CUE_EE_L
CUE_PB
GND
RX_ON
RF_WARN
L1101 10U/LC
L1102 10U/LC
L1103 10U/LC
+5.6V
-5.6V
C1101 10U
C1102 10U
C1103 10U
BGND
AGND
D1101 MA142K-GTX
Q1101 2SB779-RTX
QR1101 UN5113-TX
Q1102 2SD1819A-RTX
QR1102 UN5113-TX
Q1103 2SD874-RTX
T1101 VLT0729-T
BIAS
VR1101 50K/VR8
C1106 16V10/ST1
C1107 1/UBM
C1108 0.022/UBN
C1109 1000P/HS
C1110 16V47/EHB
C1111 330UP(630V)
C1112 220P/UV
R1101 0/J6
R1102 10K/J3
R1103 560/J3
R1104 3900/J3
R1105 1/J8
R1106 18K/J3
R1107 39/J3
R1108 1000/J3
R1135 PAT/J6
R1136 0/J6
C1125 10U
QR1103 UN5113-TX
QR1104 UN5113-TX
Q1104 2SD1979-TX
R1110 22K/J3
R1111 10K/J3
VR1102 10K/VR8
R1115 2200/J3
REC CURR
IC1101 NJM4558M-DT1
R1117 100/J3
C1115 0.1/UFV
C1116 0.1/UFV
R1119 4700/J3
C1117 16V10/ST1
C1118 2200P/UBV
C1119 VCC0030-T
R1121 8200/J3
R1120 10K/J3
FL1101 EIR7QF012B
C1113 0.027/UBN
R1116 220/J3
R1118 100/J3
L1104 VLQ0423J412
C1114 8200P/UBV
R1112 820/J3
R1113 10K/J3
QR1105 UN5113-TX
R1123 4700/J3
R1124 4700/J3
R1125 560/J3
Q1105 2SB1220-QRTX
Q1106 2SD1821-QRTX
Q1107 2SD1821-QRTX
R1122 22K/J3
IC1102 C0JBAB000350
QR1106 UN5213-TX
TP1004 EYF6CU
C1120 1/UBM
R1128 100K/J3
R1129 120K/J3
R1130 1000/J3
C1121 0.047/UBN
C1122 39P/UV
R1131 47/J3
C1123 16V10/ST1
R1132 47K/J3
C1124 150P/UV
Q1108 2SD1979-TX
Q1109 2SD1979-TX
R1133 4700/J3
R1134 4700/J3
QR1107 UN5113-TX
TP1002 EYF6CU
TP1001 EYF6CU
R1126 10/RE7
TPG EYF6CU
TP1003 EYF6CU
R1127 1/J8
P1005
VJP3125D009
CUE_R/P_HEAD_H
CUE_R/P_HEAD_C
CUE_R/P_HEAD_G
CUE_E_HEAD_H
CUE_E_HEAD_C
CUE_E_HEAD_G
CTL_E_HEAD_H
CTL_E_HEAD_C
CTL_E_HEAD_G
PAT=PATTERN ONLY
COMPONENT NAME
CUE
02/02
CIRCUIT BOARD NO.
NTSC : VEP84376A
DRAWING NO.
KR4K40
SCM069



COMPONENT NAME	**DRIVE**		01/01
CIRCUIT BOARD NO.		DRAWING NO.	
NTSC: WE600EKF1C			**SCM070**



COMPONENT NAME	**PRE AMP**	01/01
CIRCUIT BOARD NO.		DRAWING NO.
NTSC: VEP83564A NTSC: WE600PKE1B NTSC: WE600PKY1A		**SCM071**

SECTION 7

CIRCUIT BOARD DIAGRAMS

NOTE:
DO NOT USE THE PART NUMBER SHOWN ON THIS DRAWING FOR ORDERING. THE CORRECT PART NUMBER SHOWN IN THE PARTS LIST, AND MAY BE SLIGHTLY DIFERENT OR AMENDED SINCE THIS DRAWING WAS PREPARED.

CAUTION

THE ▭ MARK INDICATES THE PRIMARY CIRCUIT TO DISTINGUISH THE PRIMARY FROM THE SECONDARY CIRCUIT.
PAY ATTENTION NOT TO RECEIVE AN ELECTRIC SHOCK DURING REPAIR AND SERVICE OF THE PRODUCTS.

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.

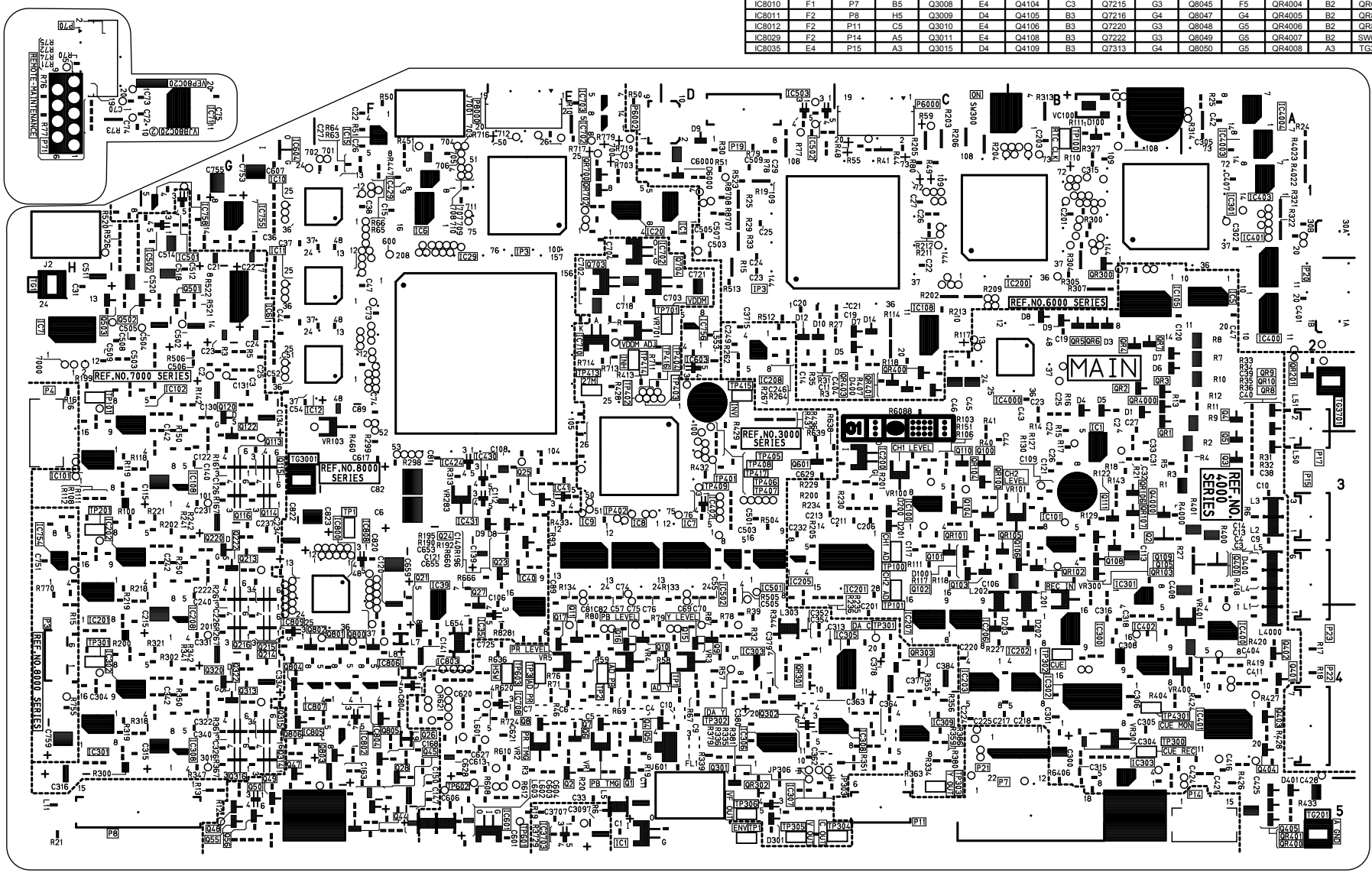
CONTENTS

MAIN P.C.B. (VEP83551C)..... CBA-1
REMOTE MAINTENANCE P.C.B. (VEP80C20A)..... CBA-1
RF & SERVO P.C.B. (VEP82241C)..... CBA-3
VTR SUB P.C.B. (VEP83579A)..... CBA-5
VTR S/S P.C.B. (VEP80C03A)..... CBA-6
REAR JACK P.C.B. (VEP80C06B)..... CBA-6
AV OUT P.C.B. (VEP80C07B)..... CBA-6
FILTER P.C.B. (VEP000W0A)..... CBA-6
DRIVE P.C.B. (WE600PKF1C)..... CBA-7
POWER P.C.B. (VEP81220C)..... CBA-8
H/R AMP P.C.B. (VEP85200A)..... CBA-9
CUE P.C.B. (VEP84376A)..... CBA-9
PRE AMP2 P.C.B. (WE600PKY1A)..... CBA-10
PRE AMP P.C.B. (WE600PKE1B)..... CBA-10
SCENE FILE P.C.B. (VEP80B99A)..... CBA-11
R SIDE P.C.B. (VEP80B98A)..... CBA-12
AUTO IRIS P.C.B. (VEP80C00A)..... CBA-13
LED P.C.B. (VEP80C01B)..... CBA-13
POWER SW P.C.B. (VEP80B97A)..... CBA-13

TOGGLE SW P.C.B. (VEP80B94A) CBA-14
FRONT TOGGLE SW P.C.B. (VEP80C02A) CBA-14
MENU JOG P.C.B. (VEP80B96A) CBA-14
BREAKER P.C.B. (VEP80C08A)..... CBA-15
HEAD PHONE P.C.B. (VEP000U0A)..... CBA-15
FRONT MIC P.C.B. (VEP80C12A) CBA-15

MAIN P.C.B. (VEP83551C)
REMOTE MAINTENANCE P.C.B. (VEP80C20A)

REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC
IC3001	E5	IC8041	E3	P17	A2	Q3016	E4	Q4110	C3	Q7314	G4	Q8055	G5	QR4009	A2	TG3701	A2
IC3307	D5	IC8424	F3	P19	D1	Q3017	E4	Q4111	B3	Q7315	G4	Q8056	G5	QR4010	A2	TG4201	A5
IC3402	D3	IC8430	F3	P20	A2	Q3301	D5	Q4400	A3	Q7316	G4	Q8800	F4	QR4100	C3	TG7001	H2
IC3601	E5	IC8431	F3	P21	B4	Q3302	D4	Q4401	A4	Q7320	G4	Q8801	F4	QR4101	C3	TP1	D5
IC3702	E1	IC8603	D2	P22	A4	Q3601	D3	Q4402	A4	Q7322	G4	Q8802	G4	QR4102	B3	TP3001	D4
IC3703	E5	IC8604	G1	P23	A3	Q3703	E2	Q4403	A4	Q7501	G2	Q8803	F4	QR4103	B3	TP3002	E4
IC3708	E4	IC8800	F3	P70	H1	Q3704	E2	Q4404	A4	Q7502	G2	Q8804	G4	QR4104	C3	TP3003	E4
IC3710	E2	IC8802	F4	P6000	C1	Q4000	B3	Q4405	A5	Q7503	H2	Q8805	F4	QR4105	C3	TP3303	C5
IC4000	B2	IC8803	F4	P6002	D1	Q4002	B3	Q7113	G3	Q8021	F4	Q8806	G4	QR4106	B3	TP3304	C5
IC4200	C3	IC8808	F3	P8000	E1	Q4003	A3	Q7114	G3	Q8023	E3	QR3301	D4	QR4107	B3	TP3305	D5
IC6200	C1	IC8809	G4	Q3001	E4	Q4004	A2	Q7115	G3	Q8024	E3	QR3302	D5	QR4400	A5	TP3306	D5
IC6301	B1	IP3402	E3	Q3002	E4	Q4005	A3	Q7116	G3	Q8025	E3	QR3303	C4	QR4401	A5	TP3413	E2
IC6502	D1	IP6003	C1	Q3004	E4	Q4100	C3	Q7120	G2	Q8026	F4	QR4000	B2	QR6201	A2	TP3414	E2
IC6503	D1	IP8003	E1	Q3005	E4	Q4101	C3	Q7122	G3	Q8027	F4	QR4001	B2	QR6300	B2	TP3415	D2
IC7501	G1	P3	H4	Q3006	E4	Q4102	C3	Q7213	G3	Q8028	F4	QR4002	B2	QR6400	C2	TP3603	E4
IC7502	G1	P4	H3	Q3007	E4	Q4103	C3	Q7214	G4	Q8044	F5	QR4003	B2	QR6401	C2	TP3701	D2
IC8010	F1	P7	B5	Q3008	E4	Q4104	C3	Q7215	G3	Q8045	F5	QR4004	B2	QR6403	C2	VC6100	B1
IC8011	F2	P8	H5	Q3009	D4	Q4105	B3	Q7216	G4	Q8047	G4	QR4005	B2	QR8700	E1		
IC8012	F2	P11	C5	Q3010	E4	Q4106	B3	Q7220	G3	Q8048	G5	QR4006	B2	QR8702	E1		
IC8029	F2	P14	A5	Q3011	E4	Q4108	B3	Q7222	G3	Q8049	G5	QR4007	B2	SW6300	C1		
IC8035	E4	P15	A3	Q3015	D4	Q4109	B3	Q7313	G4	Q8050	G5	QR4008	A3	TG3001	G3		

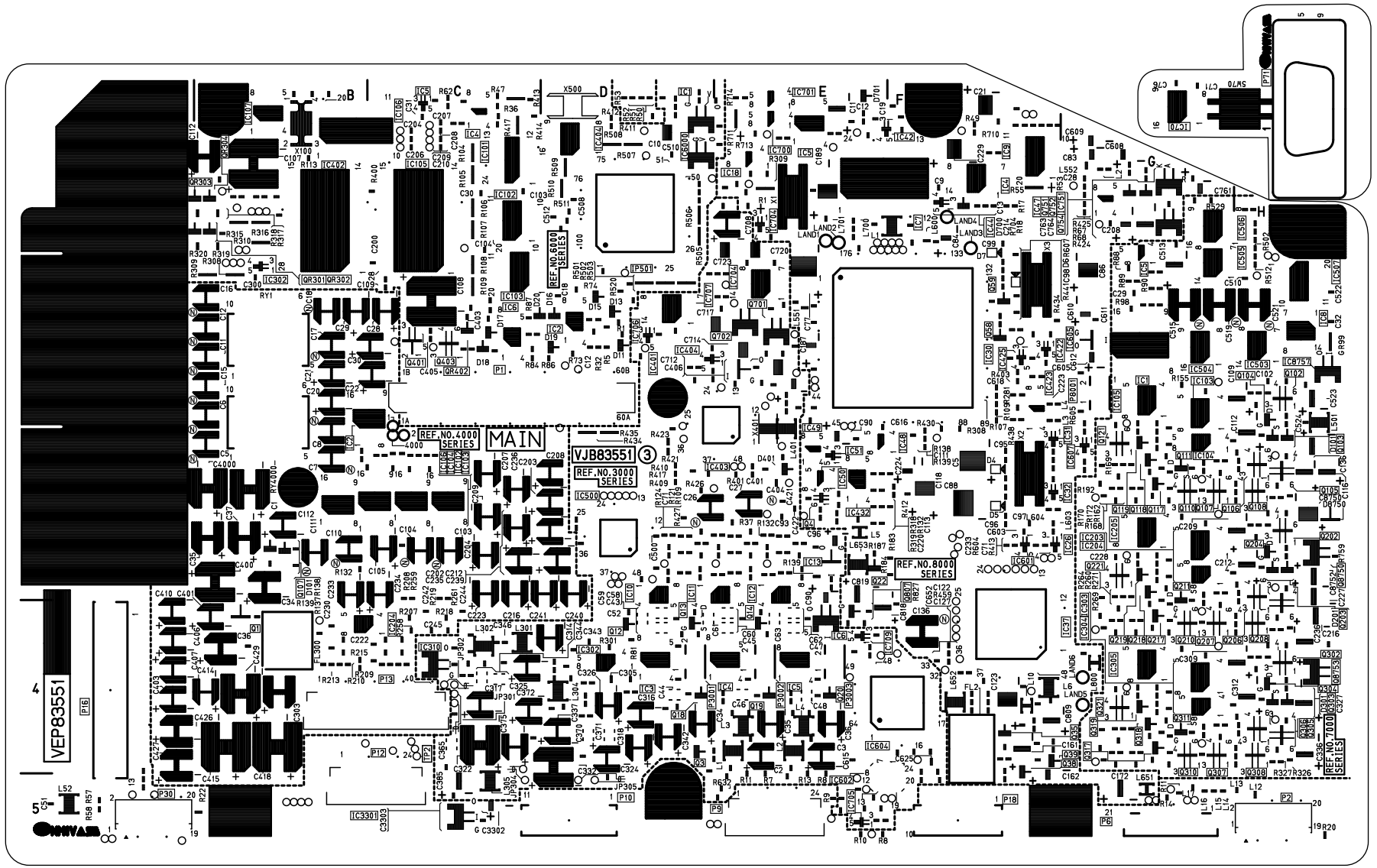


CBA-1

(FOIL SIDE)

MAIN P.C.B. (VEP83551C)
REMOTE MAINTENANCE P.C.B. (VEP80C20A)

REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC
IC70	G1	IC4002	C2	IC7008	H2	IC8030	F2	IC8751	G1	Q4102	B3	Q7205	H4	Q7319	G4	SW70	H1
IC3003	D4	IC4102	C3	IC7103	G2	IC8031	F3	IP6501	D1	Q4103	C3	Q7206	H3	Q7321	G4	TP2	C4
IC3004	E4	IC4204	C4	IC7104	G3	IC8032	F3	P1	C2	Q4104	C3	Q7207	G4	Q8004	E3		
IC3005	E4	IC6000	D1	IC7105	G2	IC8037	F4	P2	H5	Q6401	C2	Q7208	H4	Q8022	E3		
IC3006	E3	IC6001	D1	IC7203	G3	IC8042	E1	P9	G5	Q6403	C2	Q7210	G4	Q8035	F4		
IC3010	D4	IC6002	D2	IC7204	G3	IC8044	F1	P9	E5	Q7102	H2	Q7211	G4	Q8038	F4		
IC3011	E4	IC6004	C1	IC7205	G3	IC8047	G1	P10	D5	Q7103	H3	Q7217	G4	Q8039	F4		
IC3012	E4	IC6005	C1	IC7303	G4	IC8048	E3	P12	C5	Q7104	H2	Q7218	G3	Q8058	F2		
IC3304	C4	IC6006	C2	IC7304	G4	IC8049	E3	P13	C4	Q7105	H3	Q7219	G3	Q8059	F2		
IC3307	C5	IC6101	C1	IC7305	G4	IC8050	E3	P16	A4	Q7106	H3	Q7221	G3	Q8750	H3		
IC3401	E2	IC6102	C1	IC7503	H2	IC8051	E3	P18	F5	Q7107	G3	Q7302	H4	Q8751	G1		
IC3403	E2	IC6103	C2	IC7504	G2	IC8422	F2	P30	A5	Q7108	H3	Q7303	H4	Q8752	G1		
IC3404	D2	IC6105	C1	IC7505	G2	IC8423	F2	P71	H1	Q7110	G3	Q7304	H4	Q8753	H4		
IC3500	D3	IC6106	B1	IC7506	G1	IC8425	F2	P8001	C2	Q7111	C3	Q7305	H4	Q8754	G1		
IC3602	E5	IC6107	B1	IC7507	H2	IC8432	E3	Q3003	D4	Q7117	G3	Q7306	H4	Q8807	E4		
IC3604	F4	IC6302	B2	IC8004	F1	IC8601	F3	Q3012	D4	Q7118	G3	Q7307	G4	QR3302	C5		
IC3701	E5	IC6402	B1	IC8005	E1	IC8605	G2	Q3013	D4	Q7119	G3	Q7308	H4	QR6301	B1		
IC3704	E2	IC6502	D1	IC8007	E1	IC8607	G3	Q3014	E4	Q7121	G3	Q7310	G4	QR6302	B1		
IC3705	E5	IC6503	D1	IC8009	F1	IC8700	E1	Q3701	E2	Q7202	H3	Q7311	G4	QR6303	B1		
IC3707	D2	IC7001	G2	IC8018	E1	IC8701	E1	Q3702	E2	Q7203	H3	Q7317	G4	QR6304	B1		
IC3709	E4	IC7005	G2	IC8026	F3	IC8704	E1	Q4001	B4	Q7204	H3	Q7318	G4	QR6402	C2		

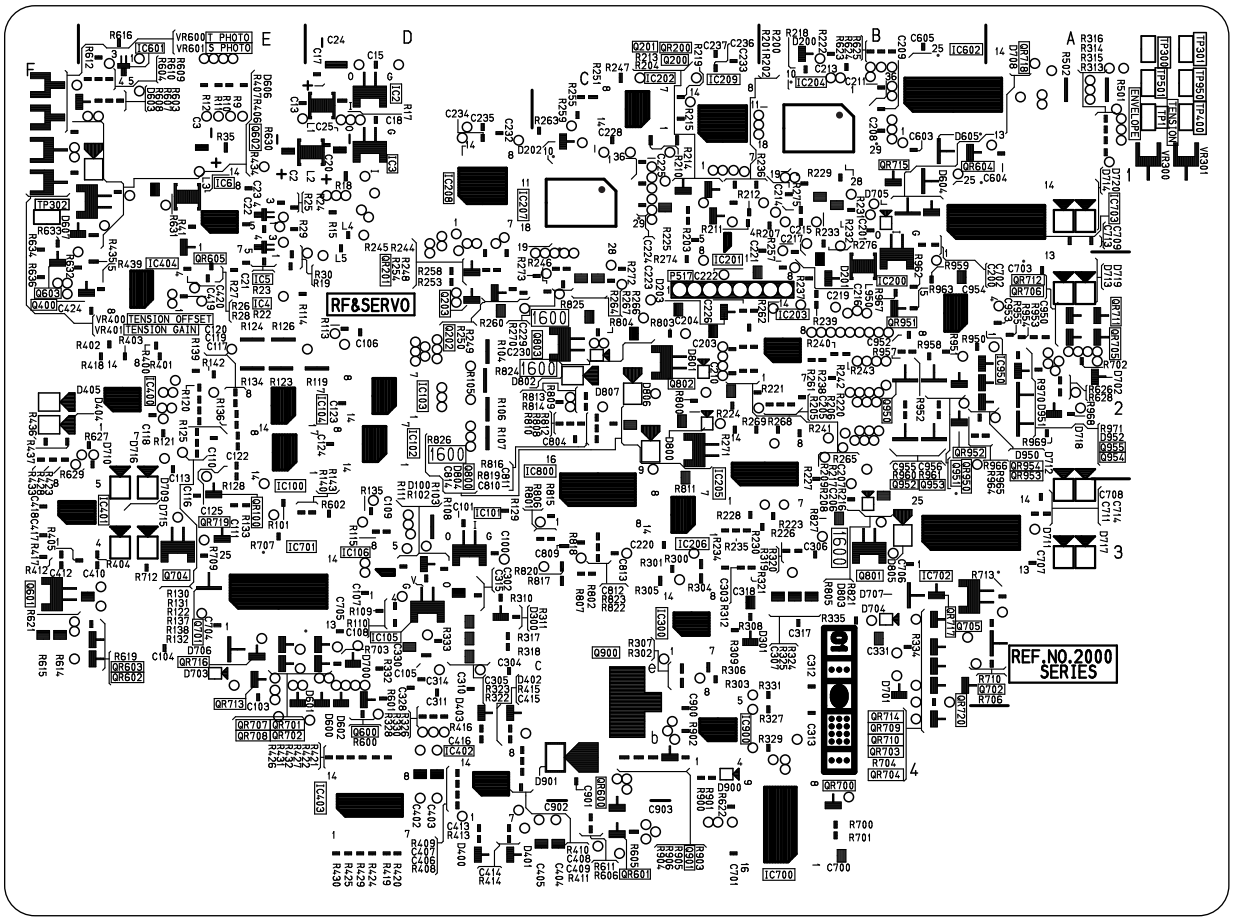


CBA-2

(COMPONENT SIDE)

RF & SERVO P.C.B. (VEP82241C)

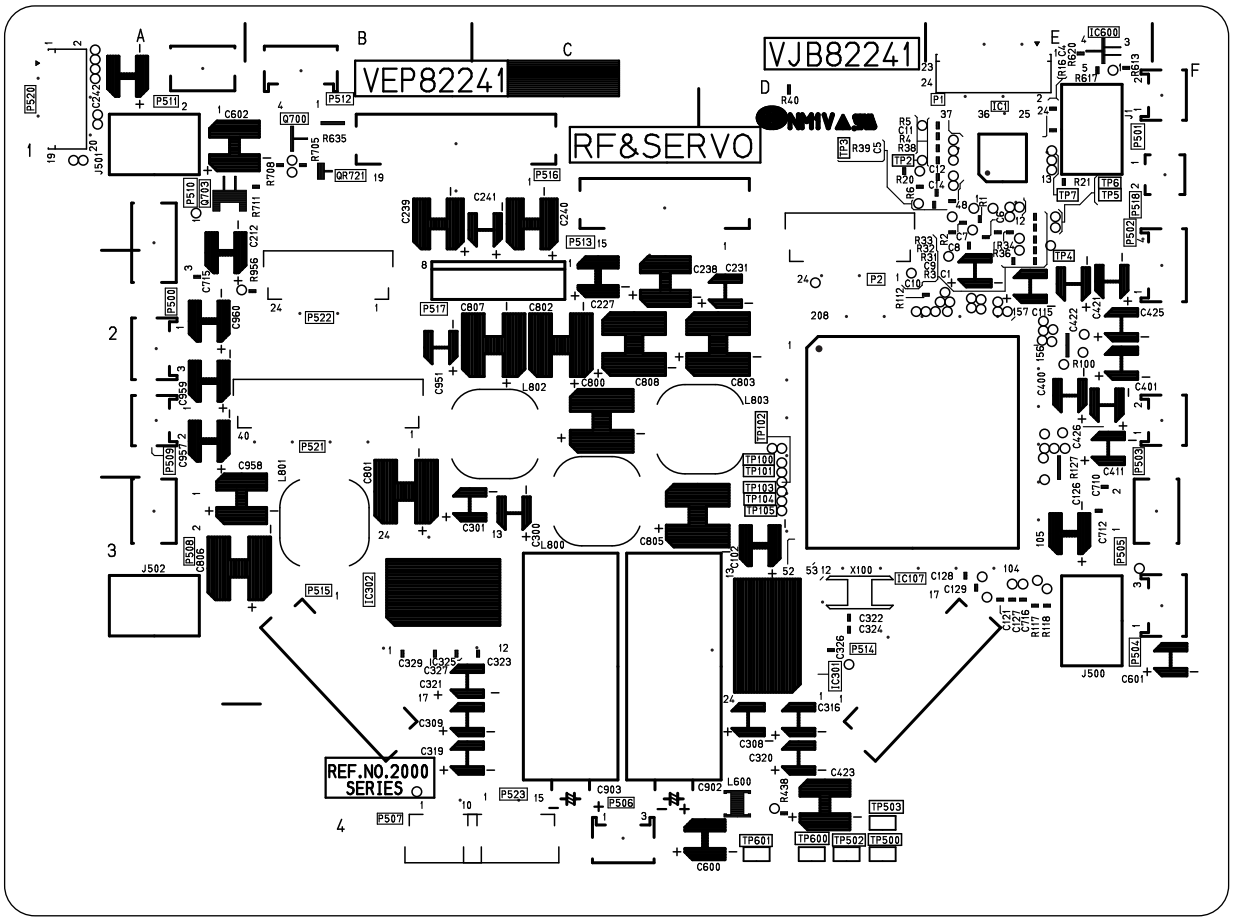
REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC
IC2	D1	IC204	B1	IC702	B3	Q704	E3	QR201	D2	QR709	B3	QR954	B2
IC3	D1	IC205	B2	IC703	A1	Q705	B3	QR600	C3	QR710	B3	TP1	A1
IC4	E1	IC206	C3	IC800	C3	Q800	C2	QR601	C3	QR711	A2	TP300	A1
IC5	E1	IC207	C1	IC900	C3	Q801	B3	QR602	E3	QR712	A2	TP301	A1
IC6	E1	IC208	D1	IC950	B2	Q802	C2	QR603	E3	QR713	E3	TP302	F1
IC100	E2	IC209	C1	Q200	C1	Q803	C2	QR604	B1	QR714	B3	TP400	A1
IC101	D3	IC300	C3	Q201	C1	Q900	C3	QR605	E1	QR715	B1	TP501	A1
IC102	D2	IC400	E2	Q202	D2	Q901	C3	QR700	B3	QR716	E3	TP950	A1
IC103	D2	IC401	F3	Q203	D2	Q950	B2	QR701	D3	QR717	B3	VR300	A1
IC104	E2	IC402	D3	Q400	E2	Q951	B2	QR702	D3	QR718	B1	VR301	A1
IC105	D3	IC403	D3	Q600	D3	Q952	B2	QR703	B3	QR719	E3	VR400	F1
IC106	D3	IC404	E2	Q601	F3	Q953	B2	QR704	B3	QR720	B3	VR401	F1
IC200	B2	IC601	E1	Q602	E1	Q954	A2	QR705	A2	QR950	B2	VR600	F1
IC201	C1	IC602	B1	Q603	F2	Q955	A2	QR706	A2	QR951	B2	VR601	F1
IC202	C1	IC700	B3	Q701	E3	QR100	E3	QR707	E3	QR952	B2		
IC203	B2	IC701	E3	Q702	A3	QR200	C1	QR708	E3	QR953	B2		



(FOIL SIDE)

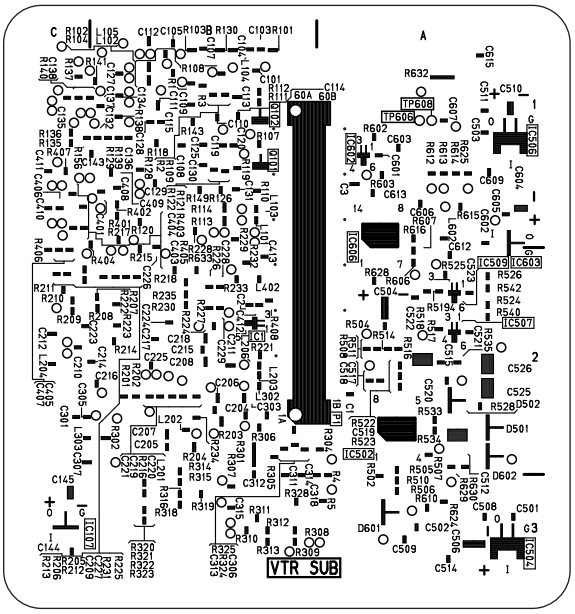
RF & SERVO P.C.B. (VEP82241C)

REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC
IC1	E1	P504	F3	P515	B3	TP2	D1	TP105	D3
IC107	D2	P505	F3	P516	B1	TP3	D1	TP500	D3
IC301	D3	P506	C3	P517	C2	TP4	E1	TP502	D3
IC302	B3	P507	B3	P518	F1	TP5	E1	TP503	D3
IC600	E1	P508	A3	P520	A1	TP6	E1	TP600	D3
P1	E1	P509	A2	P521	B2	TP7	E1	TP601	D3
P2	D1	P510	A1	P522	B2	TP100	D2		
P500	A2	P511	A1	P523	C3	TP101	D2		
P501	F1	P512	B1	Q700	B1	TP102	D3		
P502	F2	P513	C1	Q703	A1	TP103	D3		
P503	F2	P514	D3	QR721	B1	TP104	D3		

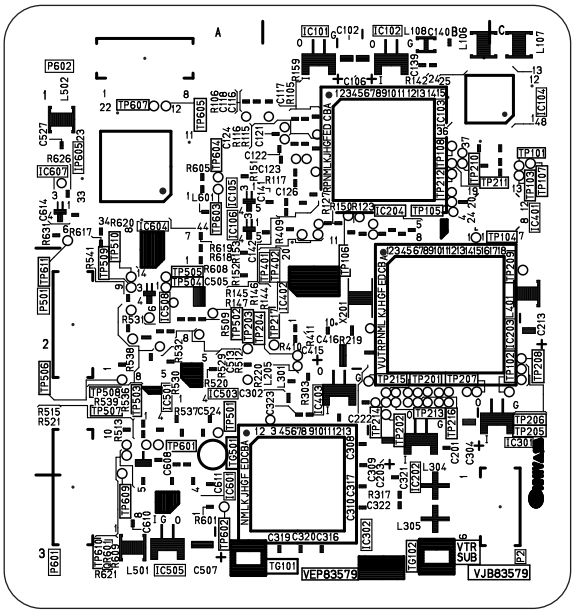


(COMPONENT SIDE)

VTR SUB P.C.B. (VEP83579A)

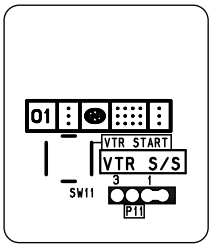


(FOIL SIDE)

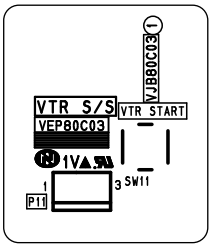


(COMPONENT SIDE)

VTR S/S P.C.B. (VEP80C03A)

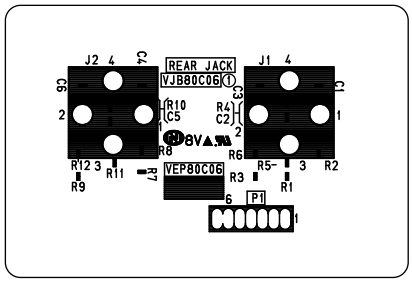


(FOIL SIDE)

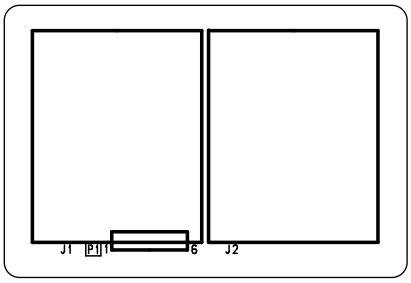


(COMPONENT SIDE)

REAR JACK P.C.B. (VEP80C06A : FOR JAPAN)
(VEP80C06B : EXCEPT JAPAN)

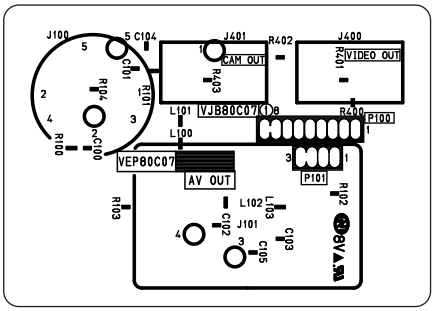


(FOIL SIDE)

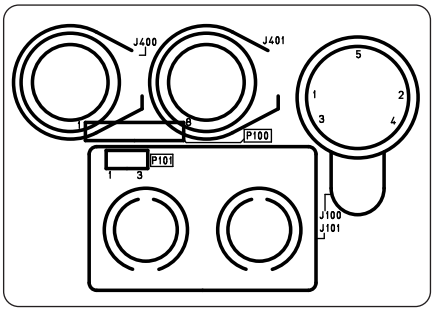


(COMPONENT SIDE)

AV OUT P.C.B. (VEP80C07B)

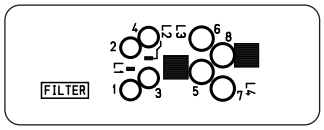


(FOIL SIDE)

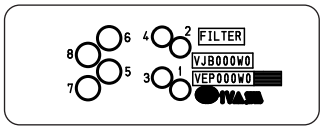


(COMPONENT SIDE)

FILTER P.C.B. (VEP000W0A)

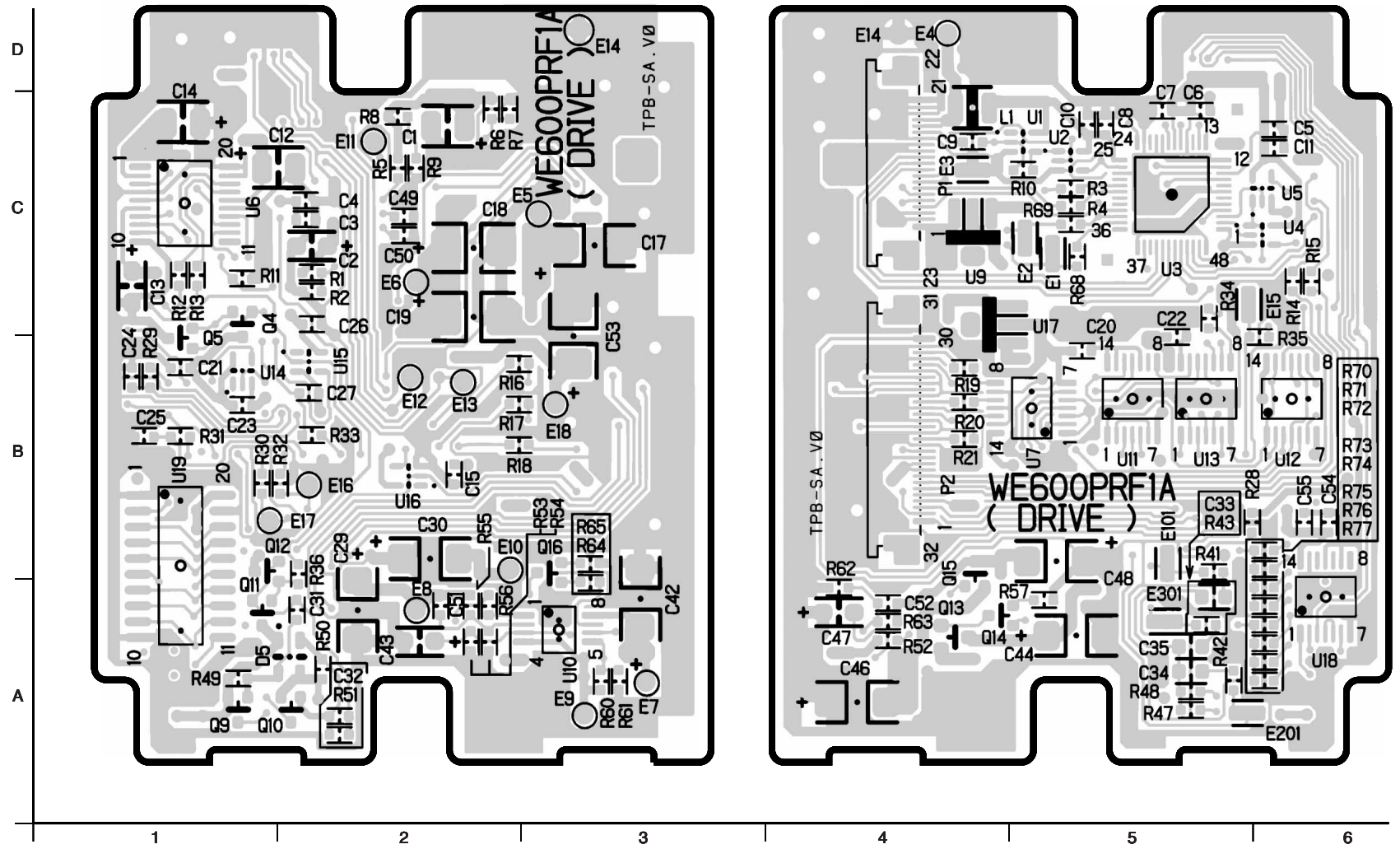


(FOIL SIDE)



(COMPONENT SIDE)

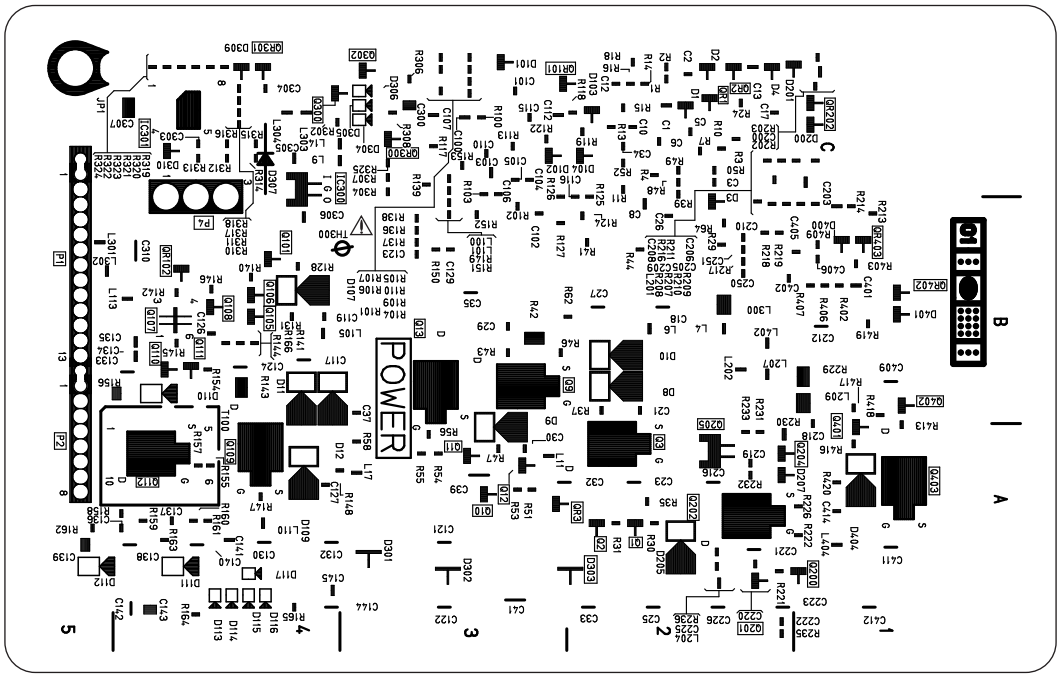
DRIVE P.C.B. (WE600PKF1C)



< INDEX >
DRIVE BOARD

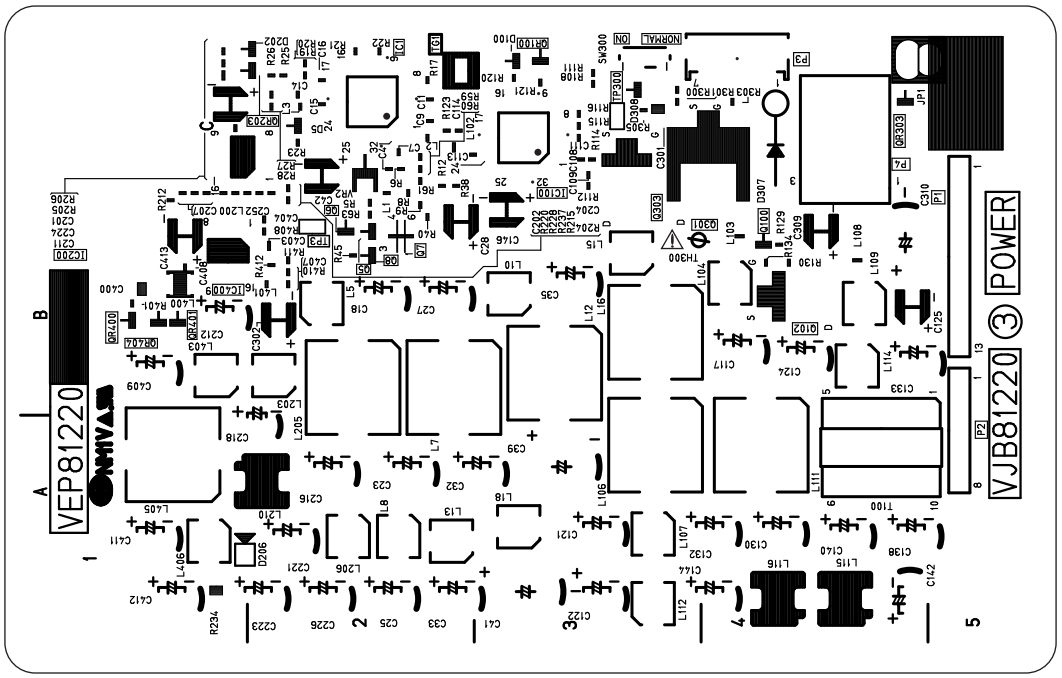
U1	C5
U2	C5
U3	C5
U4	C6
U5	C6
U6	C1
U7	B5
U9	C4
U10	A3
U11	B5
U12	B6
U13	B5
U14	B1
U15	B2
U16	B2
U17	C4
U18	A6
U19	B1
U20	â„ît
Q4	C1
Q5	B1
Q9	A1
Q10	A2
Q11	A1
Q12	B1
Q13	A4
Q14	A4
Q15	B4
Q16	B3
D5	B2

POWER P.C.B. (VEP81220C)



REF	LOC
IC300	B4
IC301	C4
Q1	A2
Q2	A2
Q3	A2
Q9	B3
Q10	A3
Q11	A3
Q12	A3
Q13	B3
Q101	B4
Q105	B4
Q106	B4
Q107	B4
Q108	B4
Q109	A4
Q110	B4
Q111	B4
Q112	A4
Q200	A1
Q201	A2
Q202	A2
Q204	A2
Q205	A2
Q300	C4
Q302	C3
Q401	A1
Q402	B1
Q403	A1
QR1	C2
QR2	C2
QR3	A3
QR101	C3
QR102	B4
QR202	C1
QR300	C3
QR301	C4
QR402	B1
QR403	B1

(FOIL SIDE)



REF	LOC
IC1	C2
IC100	C3
IC200	C1
IC400	B1
P1	C5
P2	B5
P3	C4
P4	C4
Q5	B2
Q6	B2
Q7	B2
Q8	B2
Q100	B4
Q102	B4
Q301	C4
Q303	C3
QR100	C3
QR203	C2
QR303	C4
QR400	B1
QR401	B1
QR404	B1
SW300	C3
TG1	C2
TP3	B2
TP300	C3
VR2	C2

(COMPONENT SIDE)

JAPAN ONLY

⚠ 警 告	
感電注意	ＡＣ100Vの加わっている活電部（充電部、活電部）に直接触れないでください。 ☞感電ややけどの可能性があります。

① ⚠警 告　⚠印の部品は安全上重要な部品です。交換するときは、安全および性能維持のため必ず指定の部品をご使用ください。

② ⋯⋯ 内は充電部です。ＡＣ100Vが加わっておりますので点検、修理のときは感電しないよう充分ご注意下さい。

③ 部品交換時には、電源プラグをぬいてから行なってください。

④ 一次側（充電部）の電圧・波形は、一次側アースを基準に測定してください。

⑤ 部品品番は、部品価格表で確認の上交換ください。

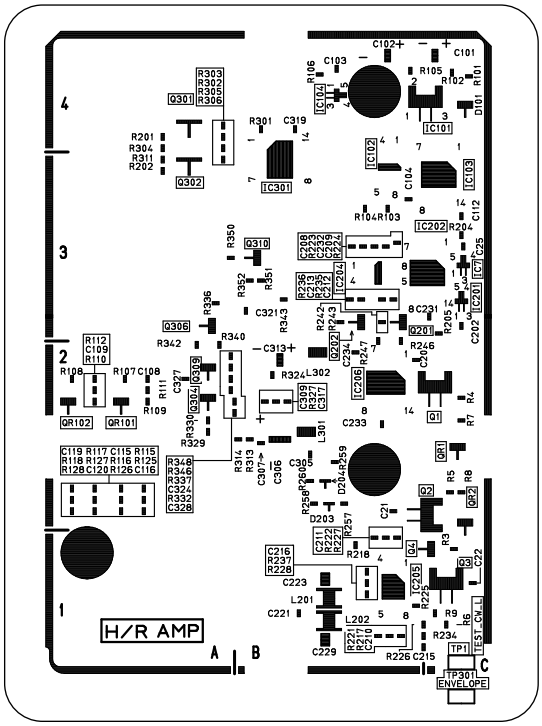
CAUTION

THE ⋯ MARK INDICATES THE PRIMARY CIRCUIT TO DISTINGUISH THE PRIMARY FROM THE SECONDARY CIRCUIT.
PAY ATTENTION NOT TO RECEIVE AN ELECTRIC SHOCK DURING REPAIR AND SERVICE OF THE PRODUCTS.

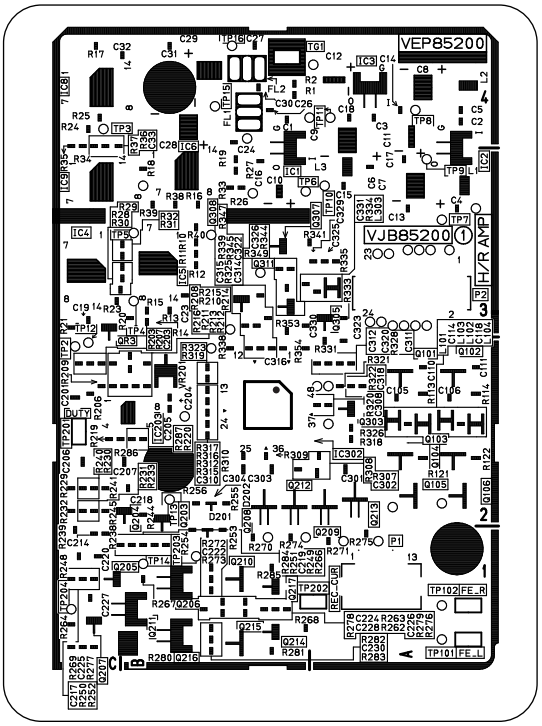
IMPORTANT SAFETY NOTICE:

Components identified with the mark ⚠ have the special characteristics for safety.
When replacing any of these components, use only the same type.

H/R AMP C.B.A (VEP85200A)

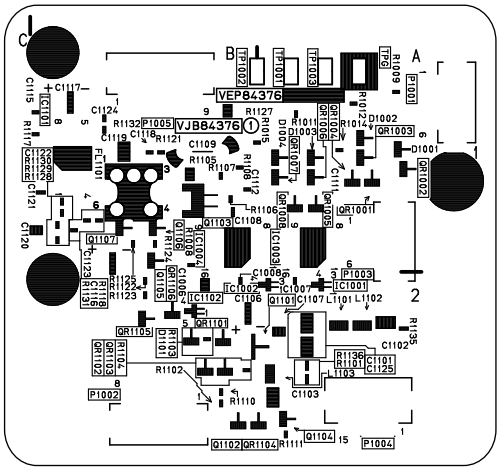


(FOIL SIDE)

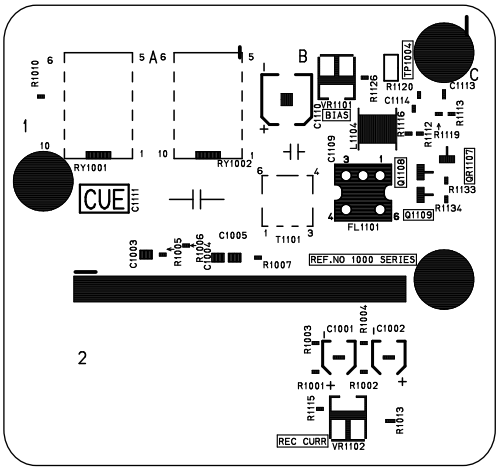


(COMPONENT SIDE)

CUE C.B.A (VEP84376A)

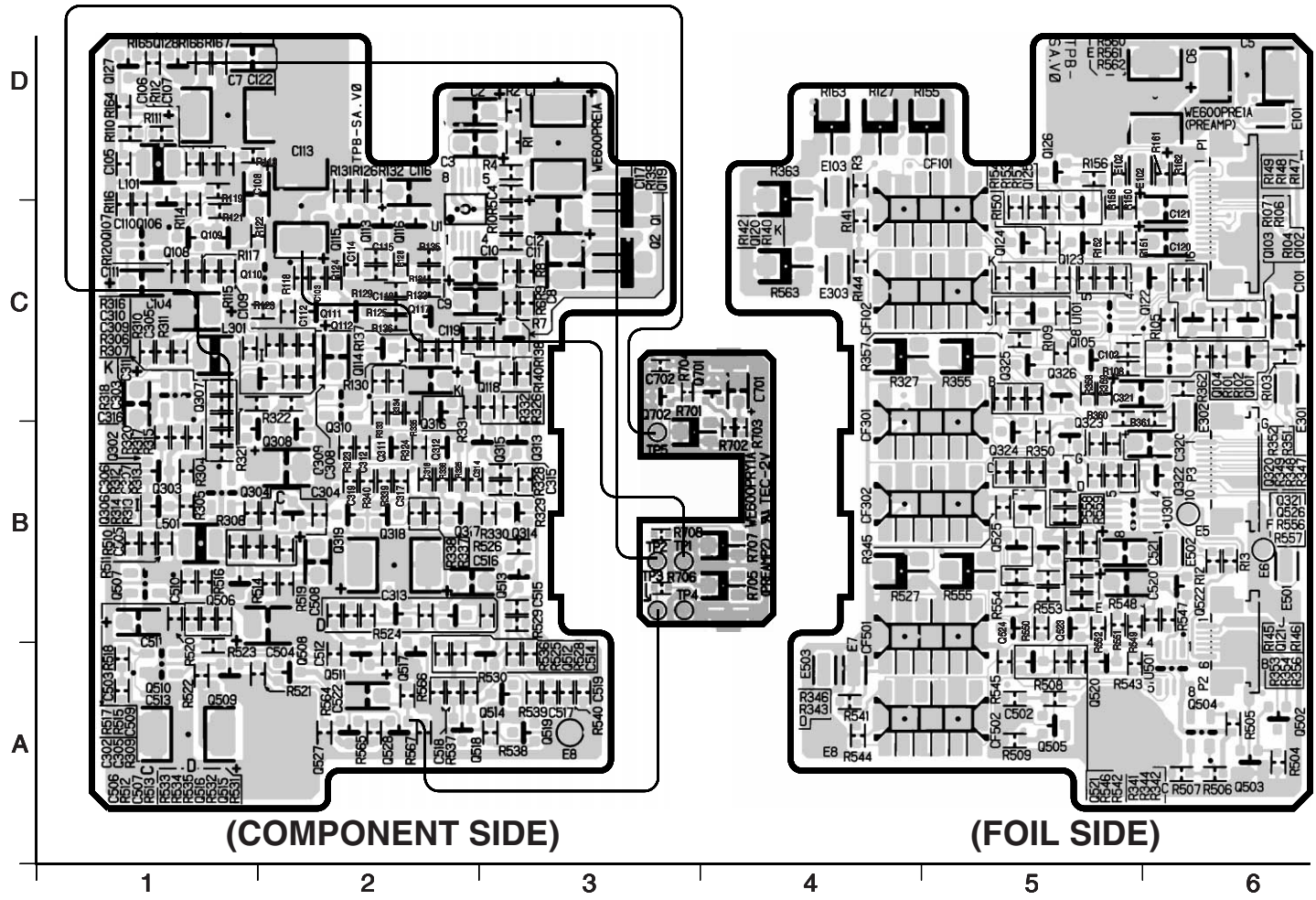


(FOIL SIDE)



(COMPONENT SIDE)

PREAMP2 P.C.B. (WE600PKY1A)
PREAMP P.C.B. (WE600EKE1B)



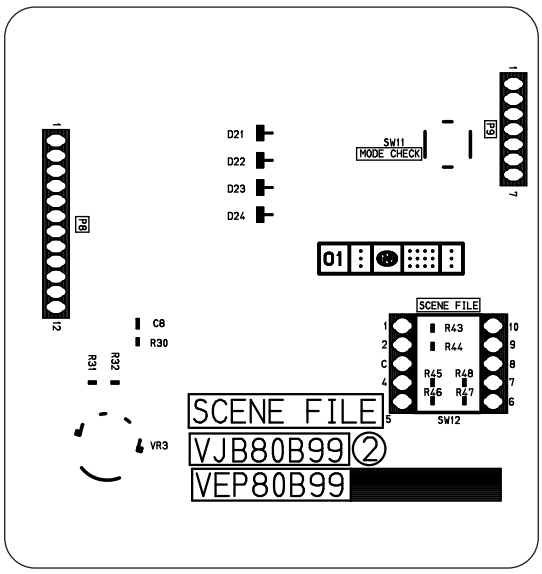
< INDEX >
PREAMP. BOARD

U1	C2	Q122	C6	Q323	B5	Q526	B5
U101	C5	Q123	C5	Q324	B5	Q527	A2
U301	B5	Q124	C5	Q325	C5	Q528	A2
U501	A6	Q125	C5	Q326	C5		
		Q126	D5	Q502	A6		
Q1	C3	Q127	D1	Q503	A6		
Q2	C3	Q128	D1	Q504	A6		
Q101	C6	Q302	B1	Q505	A5		
Q102	C6	Q303	B1	Q506	B1		
Q103	C6	Q304	B1	Q507	B1		
Q104	C6	Q305	B2	Q508	A2		
Q105	C5	Q306	C2	Q509	A1		
Q106	C1	Q307	C1	Q510	A1		
Q107	C1	Q308	B2	Q511	A2		
Q108	C1	Q309	B2	Q512	A3		
Q109	C1	Q310	C2	Q513	B3		
Q110	C2	Q311	B2	Q514	A3		
Q111	C2	Q312	B2	Q515	B2		
Q112	C2	Q313	B3	Q516	B2		
Q113	C2	Q314	B3	Q517	A2		
Q114	C2	Q315	B3	Q518	A2		
Q115	C2	Q316	C2	Q519	A3		
Q116	C2	Q317	B2	Q520	A5		
Q117	C2	Q318	B2	Q521	A5		
Q118	C2	Q319	B2	Q522	B6		
Q119	C3	Q320	B5	Q523	B5		
Q120	C5	Q321	B5	Q524	B5		
Q121	C5	Q322	B6	Q525	B5		

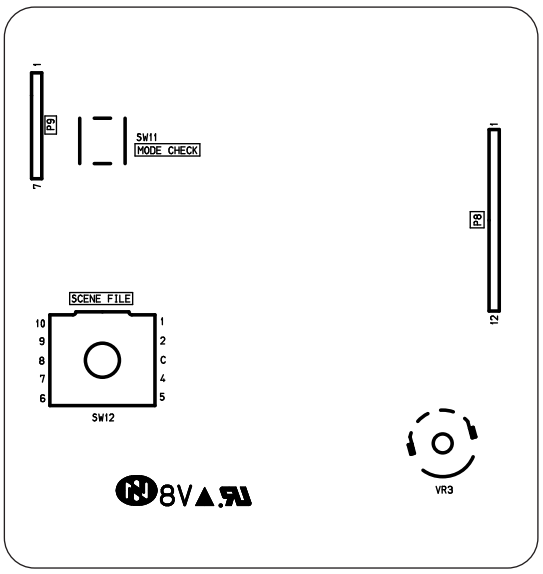
< INDEX >
PREAMP.–SUB BOARD

Q701	C4
Q702	C3

SCENE FILE P.C.B. (VEP80B99A)

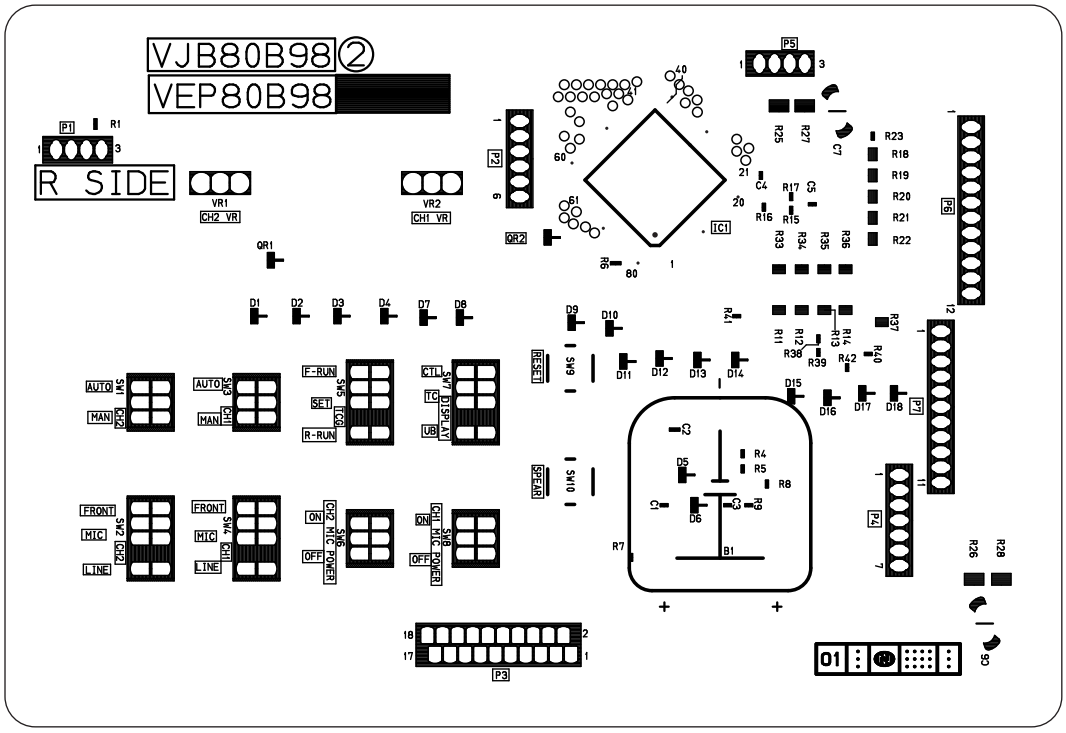


(FOIL SIDE)

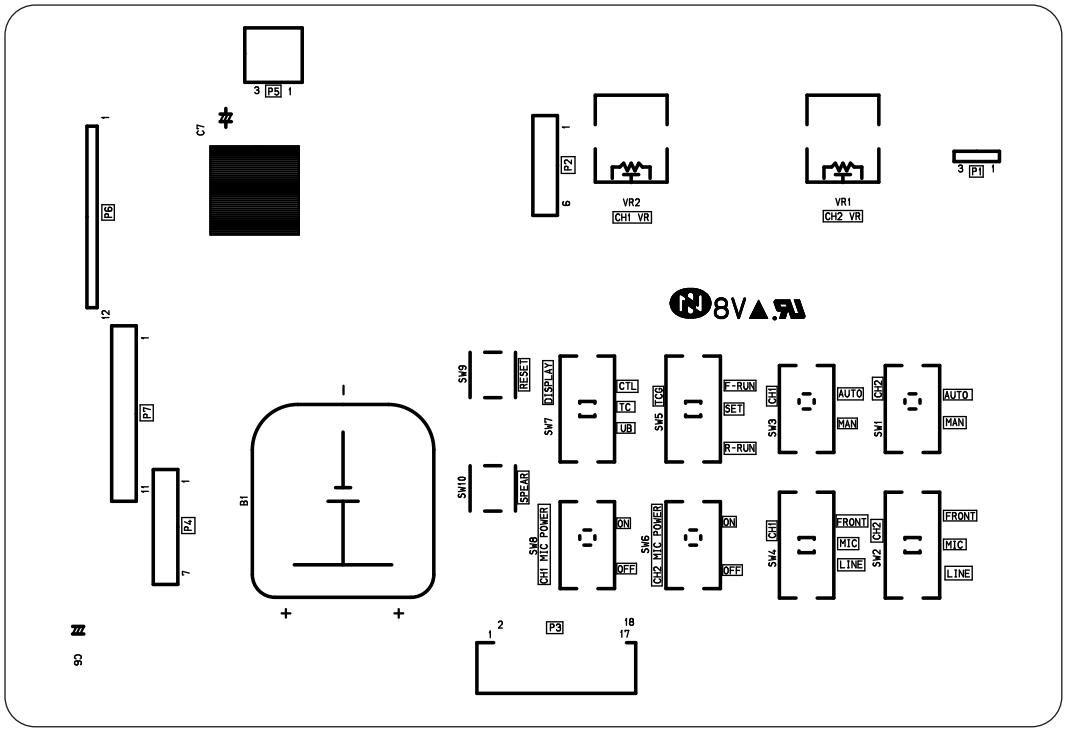


(COMPONENT SIDE)

R SIDE P.C.B. (VEP80B98A)

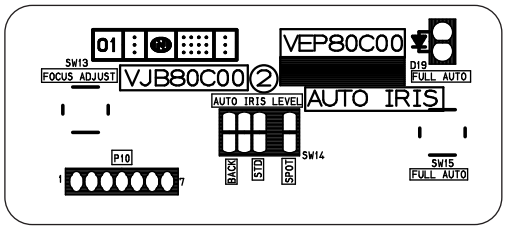


(FOIL SIDE)

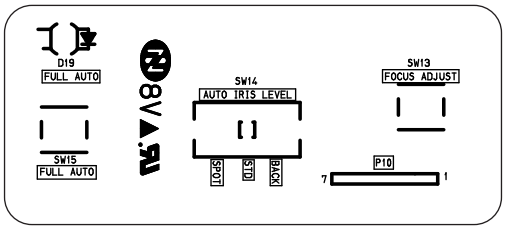


(COMPONENT SIDE)

AUTO IRIS P.C.B. (VEP80C00A)

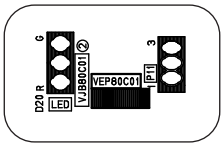


(FOIL SIDE)

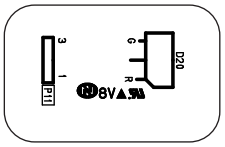


(COMPONENT SIDE)

LED P.C.B. (VEP80C01B)

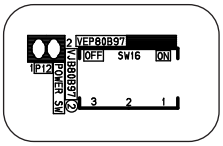


(FOIL SIDE)

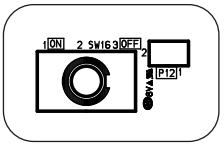


(COMPONENT SIDE)

POWER SW P.C.B. (VEP80B97A)

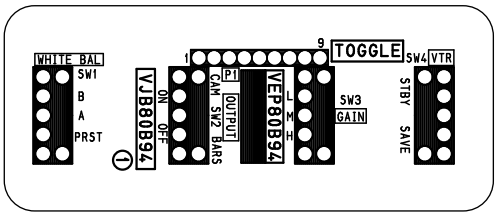


(FOIL SIDE)

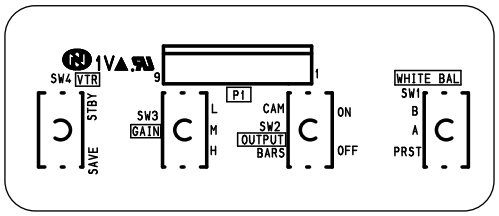


(COMPONENT SIDE)

TOGGLE SW P.C.B. (VEP80B94A)

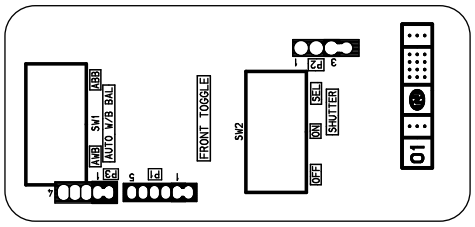


(FOIL SIDE)

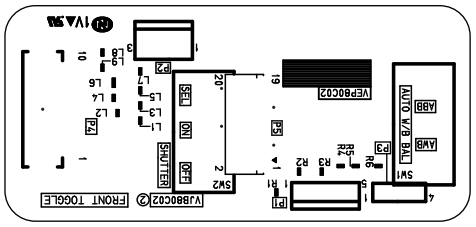


(COMPONENT SIDE)

FRONT TOGGLE SW P.C.B. (VEP80C02A)

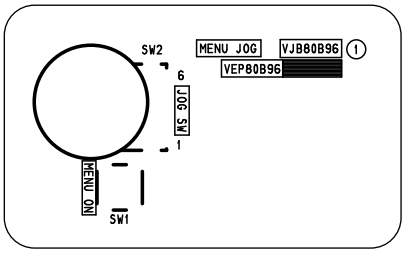


(FOIL SIDE)

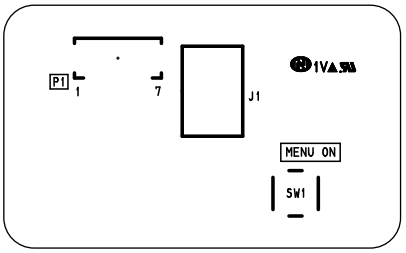


(COMPONENT SIDE)

MENU JOG P.C.B. (VEP80B96A)

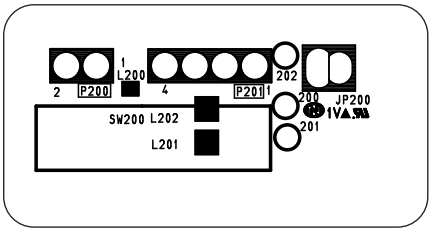


(FOIL SIDE)

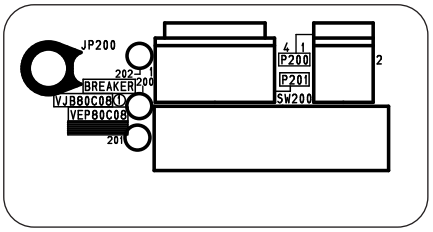


(COMPONENT SIDE)

BREAKER P.C.B. (VEP80C08A)

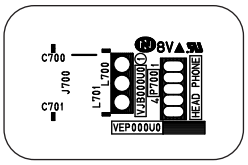


(FOIL SIDE)

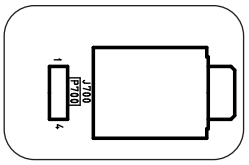


(COMPONENT SIDE)

HEAD PHONE P.C.B. (VEP000U0A)

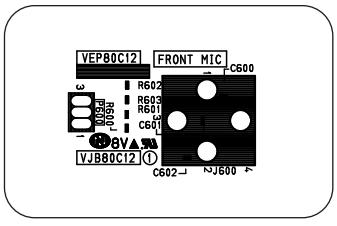


(FOIL SIDE)

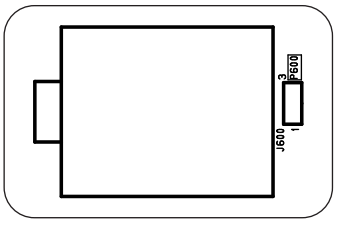


(COMPONENT SIDE)

FRONT MIC P.C.B. (VEP80C12A)



(FOIL SIDE)



(COMPONENT SIDE)

SECTION 8

EXPLODED VIEWS
&
REPLACEMENT PARTS LIST

Note:

1. *Be sure to make your orders of replacement parts according to this list.
2. Unless otherwise specified, all resistors are in OHMS, K=1,000 OHMS, all capacitors are in MICROFARADS (μF), P=μμF.
3. The P.C. Board untils marked with "■" shown below the main assembled parts.
4. The parts marked with Ⓔ on the exploded view show the electric parts.
5. IMPORTANT SAFETY NOTICE
   Components identified with the mark ⚠ have the special characteristics for safety. When replacing any of these components, use only the same type.
6. The marking (RTL) indicates the retention time is limited for this item.
   After the diacontinuation of this assembly in production, it will no longer be available.

CONTENTS

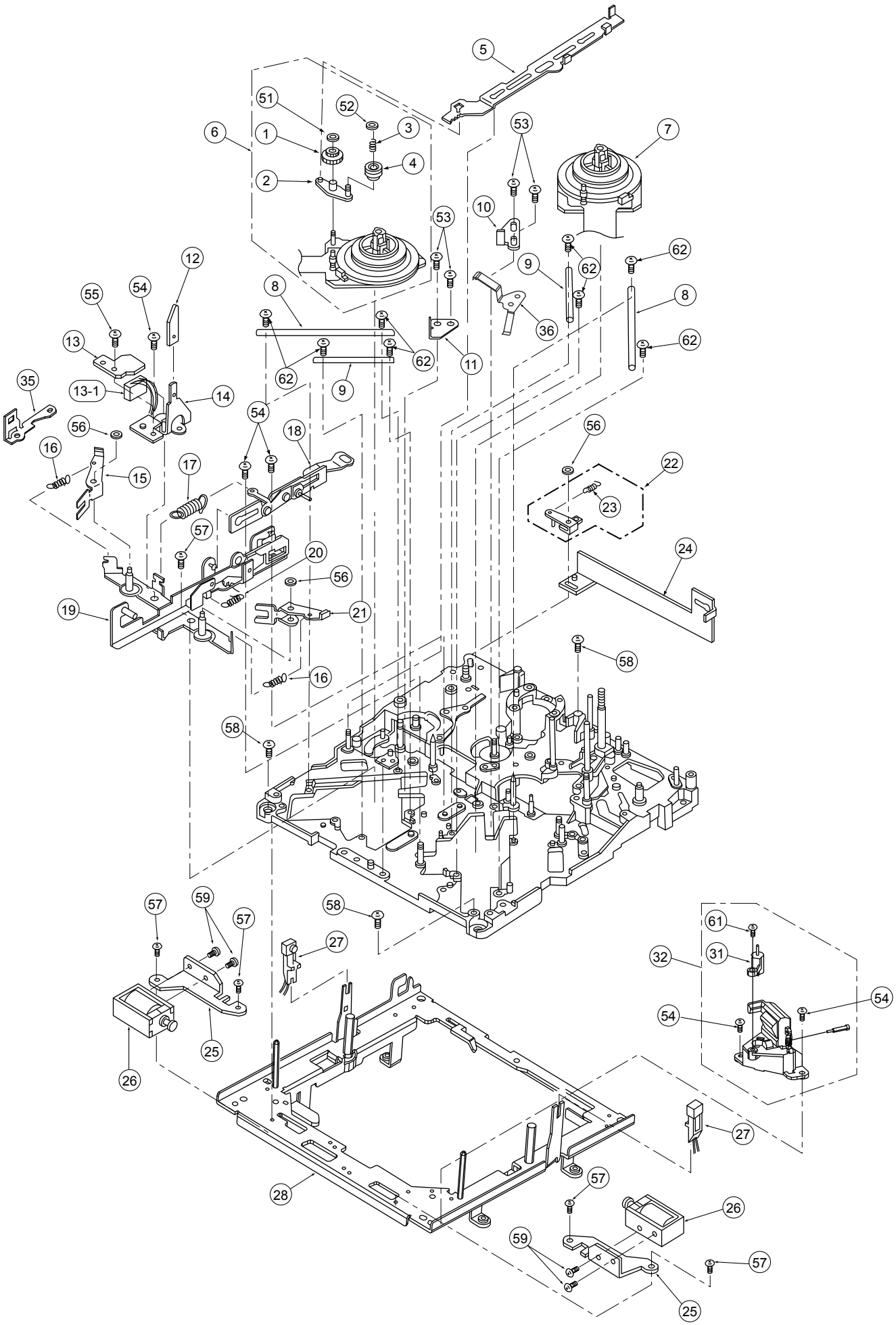
MECHANICAL CHASSIS ASSEMBLY (1) PRT-1
MECHANICAL CHASSIS ASSEMBLY (2) PRT-3
CHASSIS FRAME ASSEMBLY (1) PRT-5
CHASSIS FRAME ASSEMBLY (2) PRT-7
CASSETTE UP ASSEMBLY PRT-9
PACKING PARTS ASSEMBLY PRT-11
ELECTRICAL REPLACEMENT PARTS LIST PRT-12

SERVICING FIXTURES & TOOLS

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
1	VFK1145A	BACK TENSION METER	1	
2	VFK1149A	POST DRIVER	1	
3	VFK71A	DIAL TORQUE GAUGE (1.5cN.m)	1	150g
4	VFK1191A	DIAL TORQUE GAUGE (0.45cN.m)	1	45g
5	VFK1152	DIAL TORQUE GAUGE ADAPTOR	1	
6	VFK0357	ECCENTRIC SCREWDRIVER (1.5mm)	1	
7	VFK1154	POST HEIGHT FIXTURE	1	
8	VFK1348	MECHANICAL NEUTRAL PLATE	1	
9	VFK1155	REV POSITION TOOL (silver)	1	
10	VFK1156	PLAY POSITION TOOL (black)	1	
11	VFK1208	NEUTRAL POSITION TOOL (black with hole)	1	
12	VFK1150	NUT DRIVER (5.5mm)	1	
13	VFK1151	NUT DRIVER (2.5mm)	1	
14	VFK1188A	DIAL TENSION GAUGE	1	
15	VFK0948A	CHECK LIGHT	1	
16	VFK0749	FROIRAL GREASE (white)	1	For plastic part
17	M0R265	MORYTONE GREASE (black)	1	For metal part
18	VFK1146	PHILIPS DRIVER (FINE) (00-75)	1	
19	VFK1147	PHILIPS DRIVER (FINE) (0-100)	1	
20	VFK1148	HEX. DRIVER (1.5mm)	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
21	VFK1178	HEX. DRIVER (0.89mm)	1	
22	VFK1179	HEX. DRIVER (0.71mm)	1	
23	VFK1190	HEX. WRENCH	1	0.4 kgf cm-3kgf cm
24	VFK1209A	TOQUE DRIVER (0.4 cNm-30 cNm)	1	
25	VFK1375	POST AXIS DRIVER (1.5mm)	1	
26	VFK1300	A/D BOARD (DAQ-12 QUATECH)	1	
27	VFM3580KL	DVCPRO ALIGNMENT TAPE (No.1) FOR NTSC	1	
28	VFM3581KL	DVCPRO ALIGNMENT TAPE (No.2) FOR NTSC	1	
29	VFM3582KL	DVCPRO ALIGNMENT TAPE (No.3) FOR NTSC	1	
30	VFK1409S	MEASURING BOARD	1	
31	VFK1590	C PLD WRITER	1	
32	AJ-CL12MP	CLEANING TAPE	1	SALES Route
33	VFK1423	TAPE BEG./END DETECTION CASSETTE	1	
34	VFK1481b	LISTA SOFTWARE	1	
35	VFK1186	LISTA CABLE	1	
36	VFK0906	LUBRICATION OIL	1	
37	VZZ0095	CLEANING CLOTH	1	

MECHANICAL CHASSIS ASSEMBLY (1)

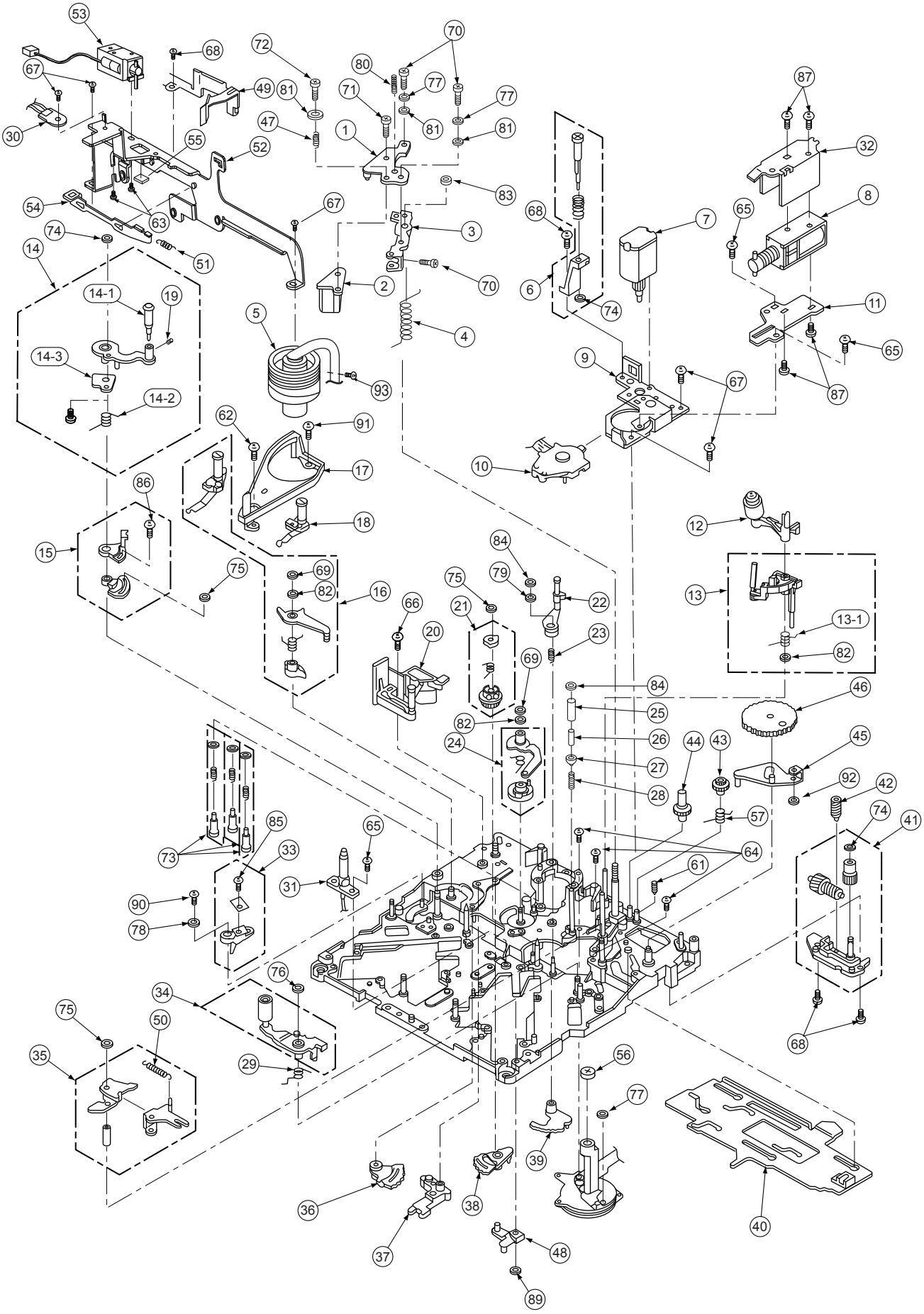


MECHANICAL CHASSIS ASSEMBLY (1)

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
1	VDG1189	IDLER GEAR A	1	
2	VXL2614	IDLER ARM ASS'Y	1	
3	VMB3011	IDLER SPRING	1	
4	VXP1700	IDLER GEAR ASS'Y	1	
5	VMM0422	E-E ROD	1	
6	VEM0658	S REEL MOTOR ASS'Y	1	(M)
7	VEM0659	T REEL MOTOR ASS'Y	1	(M)
8	VMS5923	REEL OUTER RAIL	2	
9	VMS5924	REEL INNER RAIL	2	
10	VMA9727	RAIL TABLE STOPPER (T)	1	
11	VMA0G63	REEL TABLE STOPPER (S)	1	
12	VMD2588	BRAKE RELEASE	1	
13	VEK7694C	CASSETTE DOWN PHOTO ASS'Y	1	
13-1	0N1004-R	PHOTO INTERRUPTER	1	
14	VMA9729	LOCK RELEASE BASE	1	
15	VXL3062	S BRAKE ARM	1	
16	VMB3137	S BRAKE SPRING L	2	
17	VMB3139	SLIDE ROD SPRING	1	
18	VXL2754	SLIDE ROD	1	
19	VXA5892	BRAKE BASE	1	
20	VMB3168	LOCK SPRING	1	
21	VXL3063	T BRAKE ARM	1	
22	VXL2615C	CONNECTION ARM B	1	
23	VMB2973	ARM RELEASE SPRING	1	
24	VXL2653C	CONNECTION ARM C	1	
25	VMA9387	SOLENOID BASE	2	
26	VSJ0216	SOLENOID	2	(M)
27	VEK7692	SENSOR HOLDER	2	
28	VXK1661C	SUB CHASSIS	1	
31	VSS0510	CONTROL SWITCH	1	
32	VXA6254	L SWITCH BASE B ASS'Y	1	
35	VMA9784	LOCK PIN GUIDE PLATE	1	
36	VMA0G47	EARTH CONDUCTOR	1	
51	VMX1061	WASHER	1	
52	VMX2391	CUT WASHER	1	
53	XYN2+J5	SCREW	4	
54	XQN2+CF4	SCREW	5	
55	XQN2+A3	SCREW	1	
56	VMX0967	CUT WASHER	3	
57	XQN2+CF3	SCREW	5	
58	XYN3+C5	SCREW	3	
59	XQN2+A2	SCREW	4	
61	XQN2+CJ5	SCREW	1	
62	VHD0995	SCREW	8	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks

MECHANICAL CHASSIS ASSEMBLY (2)

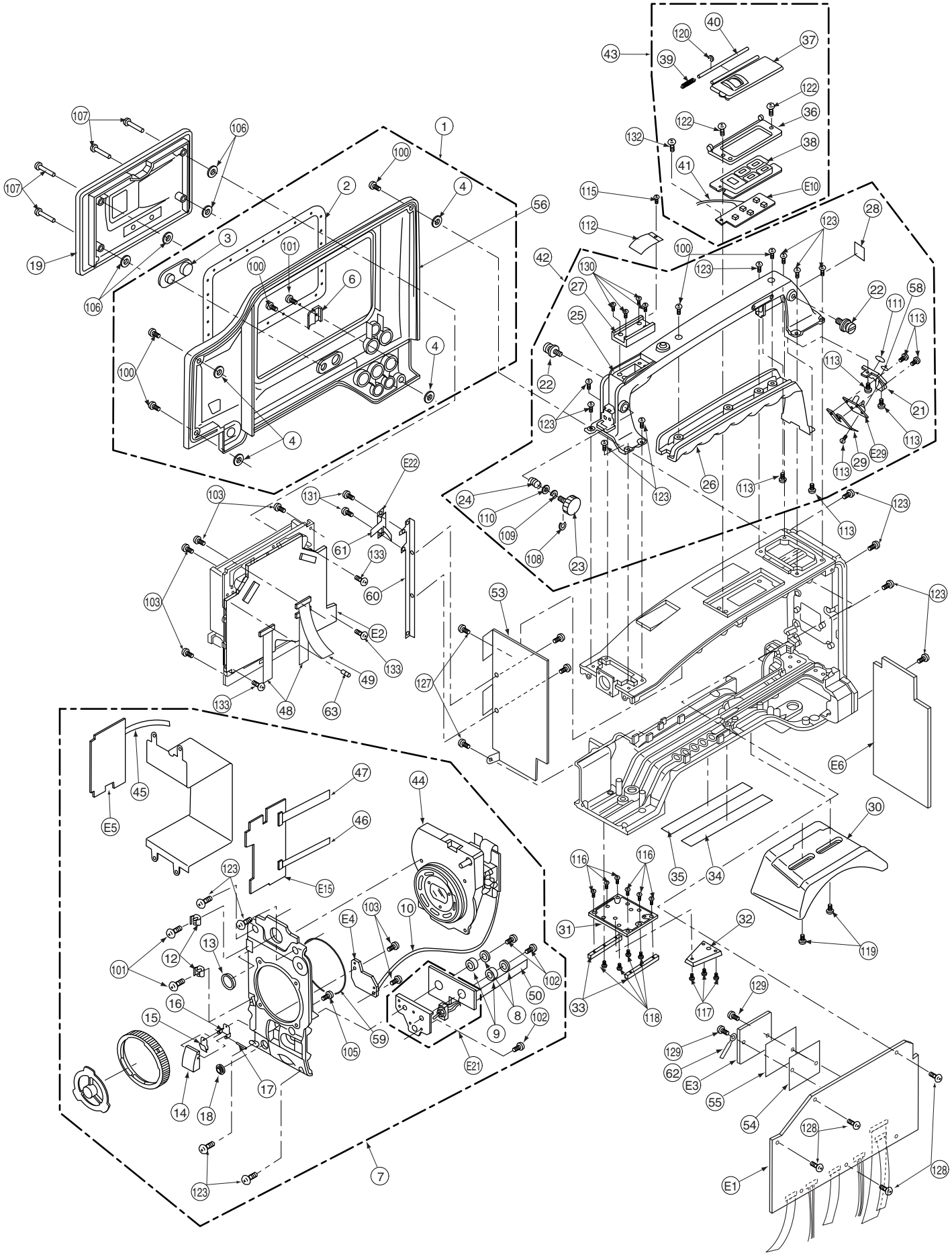


MECHANICAL CHASSIS ASSEMBLY (2)

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
1	VXA5554	A/C HEAD BASE (1) ASS'Y	1	
2	VED0419	A/C HEAD	1	(M)
3	VXA6067	A/C HEAD BASE (2) ASS'Y	1	
4	VMB2935	A/C HEAD HIGHT SPRING	1	
5	VEG1499	CYLINDER UNIT	1	(M)
6	VXA5715C	EMARGENCY SHAFT HOLDER ASS'Y	1	
7	VEM0645C	LOADING MOTOR (1) ASS'Y	1	
8	VSJ0227	PINCH SOLENOID	1	(M)
9	VXA5584C	MOTOR ANGLE ASS'Y	1	
10	VES0918C	MODE SW ASS'Y	1	
11	VMA0A35	PINCH SOLENOID BASE	1	
12	VXL3027C	CLEANING ARM ASS'Y	1	
13	VXL2870C	T2 ARM ASS'Y	1	
13-1	VMB3304	T2 ARM SPRING	1	
14	VXL2831	TENSION ARM A ASS'Y	1	(M)
14-1	VXP1761	TENSION ROLLER	1	
14-2	VMB3220	TENSION LEG SPRING	1	
14-3	VXA6173	MAGNET HOLDER ASS'Y	1	
15	VXA5791C	TENSION REG. SPRING HOOK	1	
16	VXL2709	S1 LOADING ARM ASS'Y	1	(M)
17	VMD3731	LOADING RAIL	1	
18	VXA6378	T1 BOAT ASS'Y	1	(M)
19	VHD0561	HEX SCREW	1	
20	VXA6052	S POST BASE A ASS'Y	1	(M)
21	VXP1683C	T4 CONNECTION GEAR ASS'Y	1	
22	VXL2772	T4 ARM ASS'Y	1	
23	VMB2772	T4 THRUST SPRING	1	
24	VXL2954	T LOADING ARM ASS'Y	1	
25	VMS5906	T3 UPPER FRANGE	1	
26	VMS5905	T3 SLEEVE	1	
27	VMS5904	T3 LOWER FRANGE	1	
28	VMB2929	T3 SPRING	1	
29	VMB2933	PINCH RELEASE SPRING	1	
30	VEK7927	INSULLATION SENSOR	1	EYHS77Y7
31	VEK7691	LED HOLDER P.C.BOARD	1	
32	VMA9411	PINCH SOLENOID ANGLE	1	
33	VXA5820C	TENSION SENSOR ASS'Y	1	
34	VXL2835C	PINCH ARM ASS'Y	1	
35	VXL2588C	PINCH GUIDE ARM ASS'Y	1	
36	VXA5570C	T SECTOR GEAR ASS'Y	1	
37	VXL2838C	TENSION REG. GUIDE ARM	1	
38	VXA5567C	S SECTOR GEAR ASS'Y	1	
39	VXA5564C	T4 SECTOR GEAR ASS'Y	1	
40	VXA6348	MAIN ROD ASS'Y	1	
41	VXA5627C	THRUST SHAFT HOLDER ASS'Y	1	
42	VDG1166	MOTOR WARM GEAR	1	
43	VDG1443	EMARGENCY GEAR A	1	
44	VDG1444	MOTOR EMARGENCY GEAR B	1	
45	VXL2889C	MAIN CAM ARM ASS'Y	1	
46	VDG1168	MAIN CAM GEAR	1	(M)
47	VMB2937	A/C HEAD ADJUST SPRING	1	
48	VXL2600C	EJECT ARM ASS'Y	1	
49	VMD4130	T1 GUIDE ASS'Y	1	
50	VMB2934	SPRING	1	
51	VMB3051	CLEANER RETURN SPRING	1	
52	VXA6843C	CLEANER BASE A ASS'Y	1	
53	VXA6078C	CLEANER SOLENOID ASS'Y	1	
54	VMM0429	CLEANER INTERLOCK	1	
55	VMT0871	SILENCER PAD A	1	
56	VXQ0556	THRUST SCREW ASS'Y	1	(M)
57	VMB3192	SPRING	1	
61	VHD0356	SCREW	1	
62	XQN2+A3	SCREW	1	
63	XQN2+A2	SCREW	2	
64	XQN2+A35FZ	SCREW	3	
65	XQN2+AM2	SCREW	3	
66	XQN2+CF5	SCREW	1	
67	XQN2+CF3	SCREW	5	
68	XQN2+CF4	SCREW	4	
69	XUC12FP	E-RING	2	
70	XVE2B4FZ	HEX SCREW	3	
71	XVE2B6FP	HEX SCREW	1	
72	XVE2B12FP	HEX SCREW	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
73	VXQ0439	SCREW	3	
74	VMX0967	CUT WASHER	3	
75	VMX1061	WASHER	3	
76	VMX1079	CUT WASHER	1	
77	XWA2B	WASHER	3	
78	XWE2	WASHER	1	
79	XWE16VW	WASHER	1	
80	XXE2A6FP	HEX SCREW	1	
81	XWG2	WASHER	3	
82	XWGV15Z32G	WASHER	3	
83	VHD0045	NYLON NUT	1	
84	VHN0312	NUT	2	
85	XQN2+AQ3.5FZ	SCREW	1	
86	XQN2+AJ5	SCREW	1	
87	XQN2+A15	SCREW	4	
88	XQN2+A4FZ	SCREW	1	
89	VMX0967	CUT WASHER	1	
90	XQN2+A2	SCREW	1	
91	XQN2+CM3	SCREW	1	
92	XYN2+J5	SCREW	1	
93	XYN2+K4	SCREW	1	
*	VXY1650	MECHANISM	1	

CHASSIS FRAME ASSEMBLY (1)



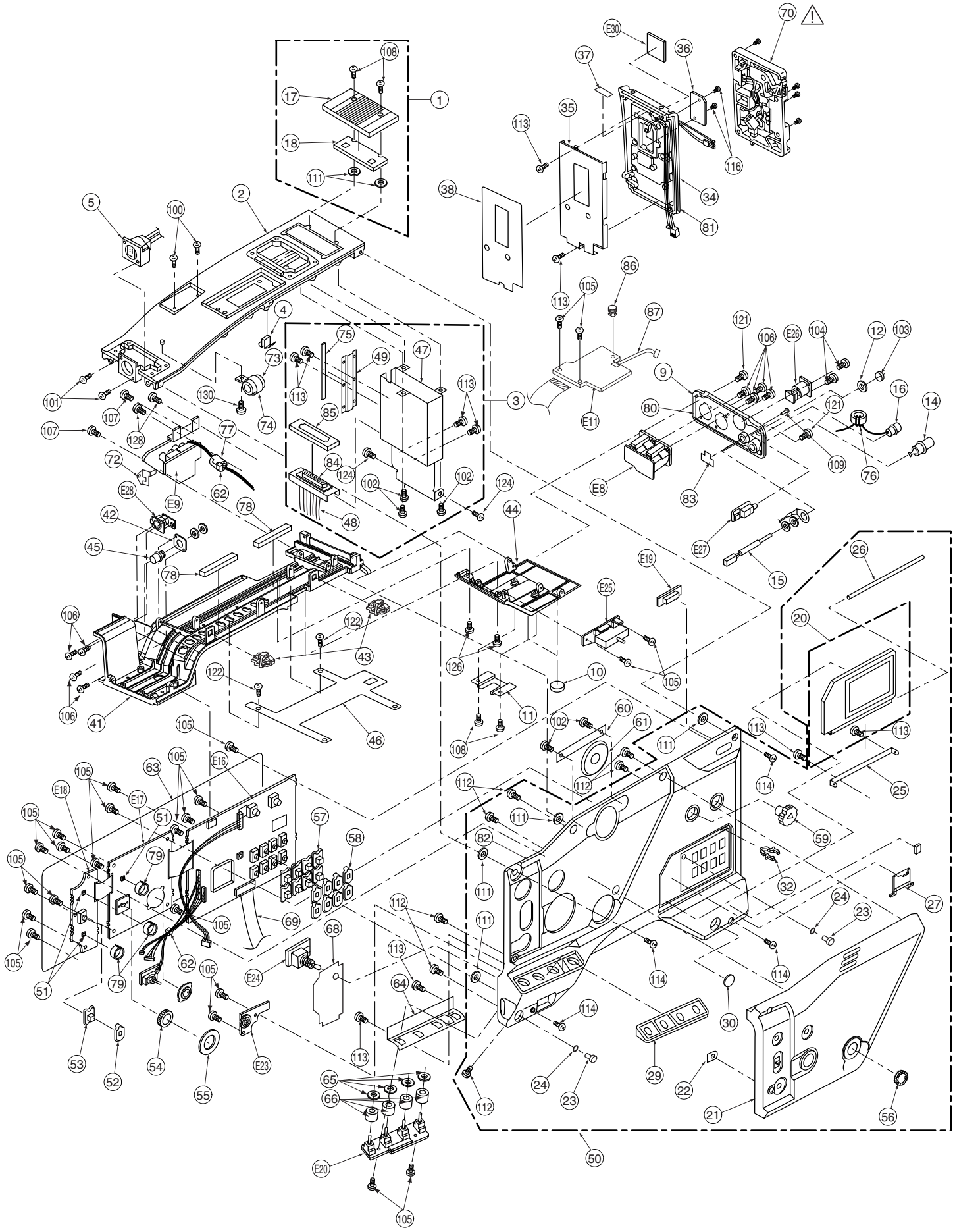
CHASSIS FRAME ASSEMBLY (1)

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
1	VYP8313	SIDE CASE (L) ASS'Y	1	
2	VMG1316	CASSETTE WATERPROOF GUM	1	
3	VMG1270	E.E CAP	1	
4	VMX1558	NYLON WASHER	4	
6	VJF0804	CABLE CLAMPER	1	
7	VYK9834	FRONT CASE (1) ASS'Y	1	
8	VMG0646	INSULATION SHEET	2	
9	VMT0738	SW INSULATION CUSHION	2	
10	VEE0N28	VTR S/S CABLE	1	
12	VJF1256	CABLE CLAMPER	2	
13	VMG0948	EVF RUBBER SHIELD	1	
14	VKF2485	FRONT DOOR	1	
15	VMC1210	FRONT DOOR SPRING	1	
16	VMP4850	FRONT DOOR ANGLE	1	
17	VMS4088	FRONT DOOR ANGLE PIN	1	
18	VGU8992	RUBBER BUSH KNOB	1	
19	VYF2689	CASSETTE COVER ASS'Y	1	
21	VGL0783	TALLY COVER	1	
22	VMS4284	BELT HOOK PIN	2	
23	VGU7080	SIDE U LOCK KNOB	1	
24	VMB1615	SPRING	1	
25	VKH0400	HANDLE	1	
26	VKF3338	HANDLE COVER	1	
27	VJF1421	SHU	1	
28	VMP7030	HANDLE SPACER	1	
29	VMP6780	BACK TALLY C.B.A. HOLDER ANGLE	1	
30	VMT1198	SHOULDER PAD	1	
31	VGM1824	FRONT FOOT BASE	1	
32	VGM1825	FRONT V EDGE	1	
33	VKA0299	FRONT FOOK	2	
34	VKN0159	BOTTOM NET	1	
35	VMT1200	BOTTOM CUSHION	1	
36	VGK2304Z	VTR OPERATION BASE	1	
37	VKF2817Z	VTR OPERATION DOOR	1	
38	VGU8218	VTR OPERATION BUTTON	1	
39	VMB2917	DOOR SPRING	1	
40	VMS5860	DOOR SHAFT	1	
41	VEE0N17	OPERATE CABLE	1	
42	VYH0297	HANDLE ASS'Y	1	
43	VYP8110	TOP PLATE OPERATION ASS'Y	1	
44	VEQ2452	HEAD OPTICAL ASS'Y	1	
45	VWJ21E5140L0	FLAT CABLE	1	
46	VWJ06E5100L0	FLAT CABLE	1	
47	VWJ16E5080L0	FLAT CABLE	1	
48	VWJ24E5075L0	FLAT CABLE	2	
49	VWJ40E5095L0	FLAT CABLE	1	
50	VWJ20E5100L0	FLAT CABLE	1	
53	VGF0901	BLIND PLATE	1	
54	VSC5302	VTR-SUB SHIELD PLATE	1	
55	VMZ3214	VTR-SUB INSULATION SHEET	1	
56	VMG1419A	SHIELD TUBE	1	
58	VMG0955	TOP PANEL	1	
59	VMG1416	WATERPROOF RUBBER	1	
60	VMP7023	D-SUB ANGLE	1	
61	VWJ20E5120L0	FLAT CABLE	1	
62	SHR330	CLAMPER	1	
63	VMS6032	SPACER	1	
100	XSB3+10FZ	SCREW	6	
101	XSB2+4FZ	SCREW	3	
102	XYN3+C6	SCREW	3	
103	XYN3+K6	SCREW	6	
105	XYN2+C4	SCREW	1	
106	VMX2605	WASHER	4	
107	XSB26+16FZ	SCREW	4	
108	XUC3FP	E-RING	1	
109	XWA4BFZ	WASHER	1	
110	XWE4FZ	WASHER	1	
111	VMG0956	P8 O-RING	1	
112	VMC1697	SPRING	1	
113	XYN2+F5	SCREW	7	
115	XSN2+4FC	SCREW	1	
116	XTS26+6J	SCREW	6	
117	XSB4+6FC	SCREW	3	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
118	XSS3+8FZ	SCREW	4	
119	XYN3+F8	SCREW	2	
120	XUC12VM	E-RING	1	
122	XSN2+6FZ	SCREW	2	
123	XSB3+8FZ	SCREW	16	
127	XYN26+C6	SCREW	2	
128	XYN26+F6FX	SCREW	4	
129	XYN26+K5	SCREW	2	
130	XSS2+6FZ	SCREW	4	
131	VHD1462	SCREW	2	
132	XTN2+4G	SCREW	1	
133	XYN26+K6	SCREW	3	
E1	VEP83551C	MAIN C.B.A.	1	
E2	VEP82241C	RF & SERVO C.B.A.	1	
E3	VEP83579A	VTR SUB C.B.A.	1	
E4	VEP80C03A	VTR S/S C.B.A.	1	
E5	WE600EKF1B	DRIVE C.B.A.	1	
E6	VEP81220C	POWER C.B.A.	1	
E10	VEP86149A	OPERATE C.B.A.	1	
E15	WE600EKE1B	PRE AMP P.C.BOARD	1	
E21	VEP80C02A	FRONT TOGGLE SW C.B.A.	1	
E22	VEP80C20A	REMOTE MAINTENANCE C.B.A.	1	
E29	VEP80A74A	BACK TALLY C.B.A.	1	

Components identified with the mark⚠have the special characteristics for safety.
When replacing any of these components, use only the same type.

CHASSIS FRAME ASSEMBLY (2)



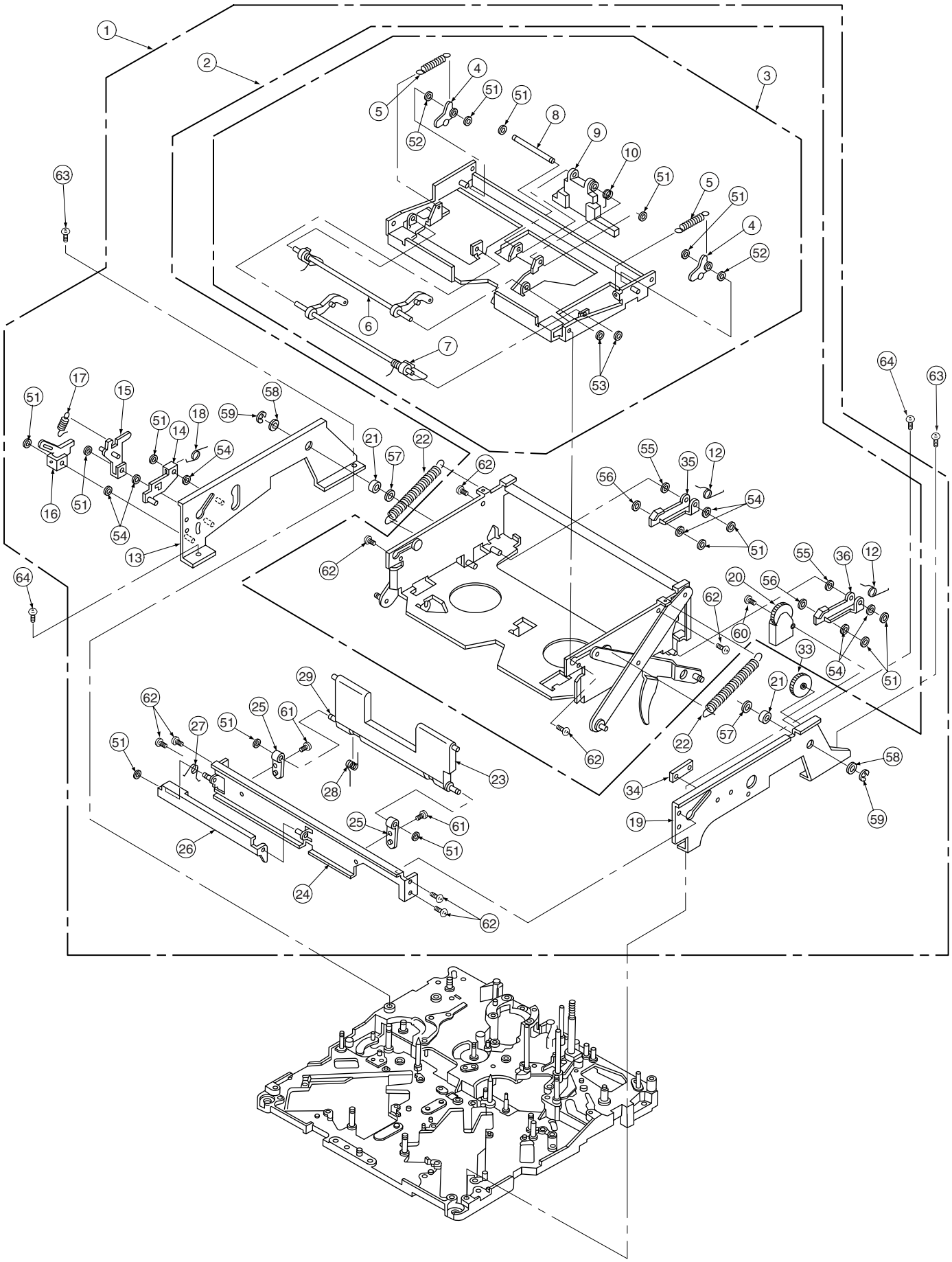
CHASSIS FRAME ASSEMBLY (2)

Components identified with the mark⚠have the special characteristics for safety.
When replacing any of these components, use only the same type.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
1	VYF2800	RECEIVER COVER ASS'Y	1	
2	VGM1782	TOP CASE	1	
3	VXA7313	RECEIVER BOX ASS'Y	1	
4	VJF0909	CABLE CLAMPER	1	
5	VEE0N18	VE CABLE	1	
9	VGM1820	JACK CASE	1	
10	VMG0954	REAR FOOT	2	
11	VMP6370	BACK LOCK ANGLE	1	
12	VMX0531	CLATCH SPACER	1	
14	VJJ0091	BNC JACK	1	
15	VEE0N27	GELOCK CABLE	1	
16	VEE0Q37	DC OUT CABLE	1	
17	VGF0885	RECEIVER COVER	1	
18	VMG1378	WATERPROOF RUBBER	1	
20	VYF2790	OPERATION DOOR ASS'Y	1	
21	VMT1253	FACE PAD	1	
22	VGL0924	LED SPRING LIGHT	1	
23	VGU7698	OPERATION BUTTON	2	
24	VMG1418	RAIN COVER RUBBER (B)	2	
25	VMP7025	DOOR FIX ANGLE	1	
26	VMS5520	OPERATION DOOR SHAFT	1	
27	VKF3340	BATTERY HOLDER DOOR	1	
29	VGK2705	TOGGLE SW PLATE	1	
30	VMG1417	BRAKER CAP	1	
32	VGQ0550	HOLDER	1	
34	VGM1783	BACK CASE	1	
35	VSC5295	BACK CASE COVER	1	
36	VGF0709	BACK CASE COVER	1	
37	VGF0890	BATTERY CABLE HOLD PLATE	1	
38	VMZ3150	INSULATION SHEET	1	
41	VGM1784	BOTTOM CASE	1	
42	VMP4853	LENS CONNECTOR PLATE	1	
43	VJF1309	PIERCE HOLDER	2	
44	VEJ1992	JACK CASE ASS'Y	1	
45	VEE0N09	LENS CABLE	1	
46	VKC0584	SIDE R HINGE SHEET	1	
47	VMP6776	RECEIVER BOX (A)	1	
48	VMP7041	RECEIVER BOX (B)	1	
49	VMP6778	RECEIVER BOX (C)	1	
50	VYP8312	SIDE CASE (R) 1 ASS'Y	1	
51	VGU8993	OPERATION BUTTON	3	
52	VGU8843	IRIS LEVEL KNOB	1	
53	VMG1379	IRIS LEVEL KNOB RUBBER	1	
54	VGU8844	SCENE FILE KNOB	1	
55	VMG1380	SCENE FILE KNOB RUBBER	1	
56	VGU7077	VR KONB A	1	
57	VGU7688	SLIDE SW COVER	8	
58	VQL0L39	SLIDE SW SHEET	8	
59	VGU6512	VR KNOB	2	
60	VMP3332	CODE CLAMPER	1	
61	VEK9293	SPEAKER ASS'Y	1	
62	VJF1158	CLAMPER	1	
63	VMZ3134	INSULATION SHEET	1	
64	VSC5250	SIDE R EARTH ANGLE	1	
65	VMG0646	INSULATION SHEET	4	
66	VMT0738	SW INSULATION CUSHION	4	
68	VMZ3168	POWER_SW INSULATION SHEET	1	
69	VWJ18C2140L0	FLAT CABLE	1	
⚠ 70	VJF1347	BATTERY HOLDER	1	
72	VSC5273	SHIELD ANGLE	1	
73	VLP0186	FERRITE CORE	1	J0KE00000027
74	VJF0980	CLAMPER	1	
75	VMT0517	CONDUCTIVE GASKET	1	
76	J0KE00000022	FERRITE CORE	1	
77	J0KG00000011	FERRITE CORE	1	
78	VMT0803	GASKET	2	
79	VGQ6174	BUTTON SUPPORTER	3	
80-82	VMG1419A	SHIELD TUBE	3	
83	VGF0898	DV BLINDER	1	
84	VEE0S35	25P HARNESS	1	
85	VMT1265	CUSHION	1	
86	VKC0554	SPACER	1	
87	VEE0S34	CUE2 HARNESS	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
100	XSB4+4FZ	SCREW	2	
101	XSS2+4FZ	SCREW	2	
102	XYN3+C4	SCREW	5	
103	VHN0194	SPACER	1	
104	XSN26+6FC	SCREW	2	
105	XYN26+K6	SCREW	23	
106	XSN26+8FZ	SCREW	8	
107	XYN3+C6	SCREW	2	
108	XSB3+6FZ	SCREW	4	
109	XQN16+B4FZ	SCREW	1	
111	VMX1558	NYLON WASHER	6	
112	XTV3+6GFZ	SCREW	7	
113	XYN26+C4	SCREW	10	
114	XSB3+10FZ	SCREW	4	
116	XSB3+4FZ	SCREW	2	
121	XSN3+6FZ	SCREW	2	
122	VHD0325	SCREW	2	
124	XYN26+C6	SCREW	2	
126	XSB3+8FZ	SCREW	2	
128	XYN26+C6	SCREW	2	
130	XYN3+F6	SCREW	1	
E8	VEP80C06B	REAR JACK C.B.A.	1	
E9	VEP80C07B	AV OUT C.B.A.	1	
E11	VEP84376A	CUE C.B.A.	1	
E16	VEP80B98A	R SIDE C.B.A.	1	
E17	VEP80B99A	SCENE FILE C.B.A.	1	
E18	VEP80C00A	AUTO IRIS C.B.A.	1	
E19	VEP80C01B	LED C.B.A.	1	
E20	VEP80B94A	TOGGLE SW C.B.A.	1	
E23	VEP80B96A	MENU JOG C.B.A.	1	
E24	VEP80B97A	POWER SW C.B.A.	1	
E25	VEP80C08A	BREAKER C.B.A.	1	
E26	VEP00X87D	DC INPUT C.B.A.	1	
E27	VEP000U0A	HEAD PHONE C.B.A.	1	
E28	VEP80C12A	FRONT MIC C.B.A.	1	
E30	VEP000W0A	FILTER C.B.A.	1	

CASSETTE UP ASSEMBLY

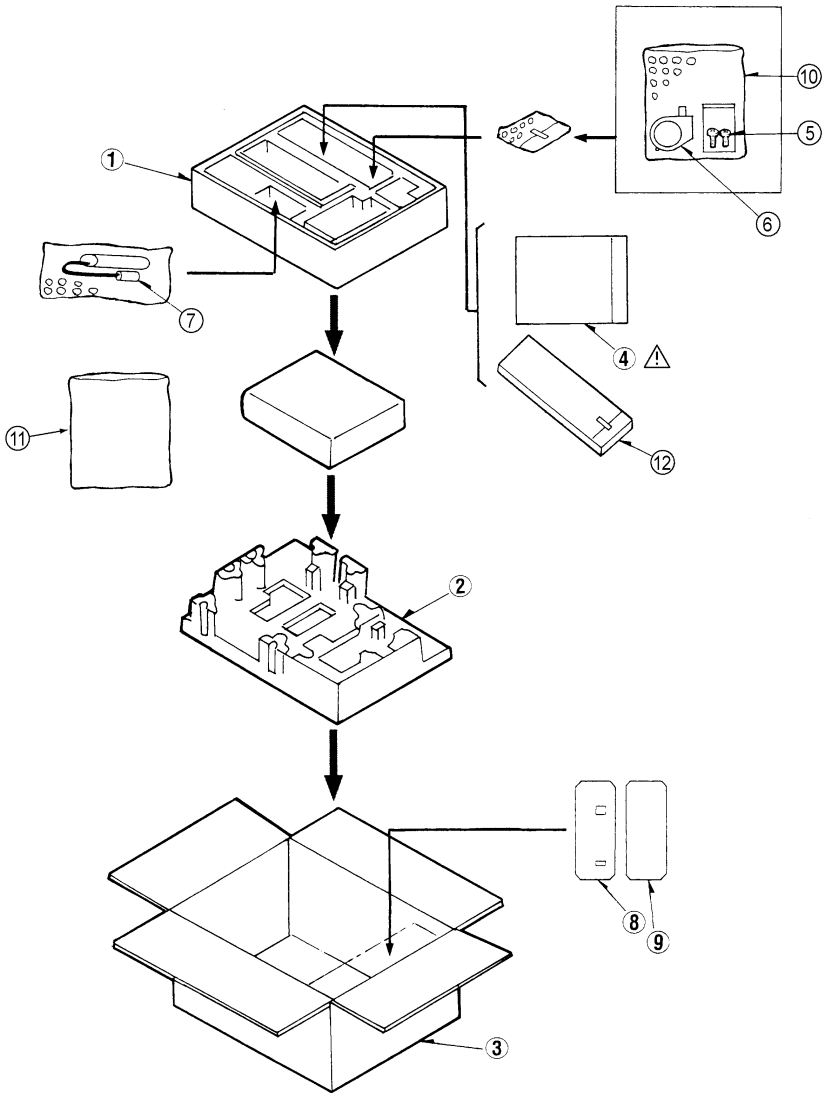


CASSETTE UP ASSEMBLY

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
1	VXA7343	CASSETTE UP ASS'Y	1	
2	VXA7338	HOLDER	1	
3	VXA6882	TOP PLATE	1	
4	VXL2696	PRESSURE LEVER	2	
5	VMB3063	PRESSURE LEVER SPRING	2	
6	VXA5896	PROTECTOR SHAFT (2) L	1	
7	VXA5897	PROTECTOR SHAFT (2) R	1	
8	VMS6198	PROTECTOR SHAFT	1	
9	VMD2789	PROTECTOR SHAFT (1)	1	
10	VMB3135	SHAFT RELESE SPRING	1	
12	VMB3140	LOCK RELEASE LEVER SPRING	2	
13	VXA6885	SIDE PLATE (L)	1	
14	VXL3050	RATCHET ARM	1	
15	VXL3060	RATCHET LOCK LEVER	1	
16	VXL3052	RATCHET LEVER	1	
17	VMB2981	RATCHET SPRING	1	
18	VMB3146	LOCK LEVER SPRING	1	
19	VXA6886	SIDE PLATE (R)	1	
20	VXP0891	DUMPER	1	
21	VDP0967	MAIN ARM ROLLER	2	
22	VMB3133	UP SPRING	2	
23	VXA6853	PROTECTOR PLATE	1	
24	VXA6887	BACK PLATE	1	
25	VMD2793	SHAFT	2	
26	VML3555	RATCHET TIMING LEVER	1	
27	VMB2982	SPRING	1	
28	VMB3134	PLATE RELEASE SPRING	1	
29	VMS6211	PROTECTOR PLATE SHAFT	1	
33	VDG1456	DUMPER GEAR	1	
34	VMD0997	HOLDER GUIDE	1	
35	VML3651	RELEASE LEVER (L)	1	
36	VML3652	RELEASE LEVER (R)	1	
51	VMX0967	CUT WASHER	14	
52	XWGV2D5G	WASHER	2	
53	VMX1079	CUT WASHER	2	
54	XWGV2Y5G	WASHER	7	
55	XWGV2Z5G	WASHER	2	
56	XWGV2F5G	WASHER	2	
57	XWGV4Y8G	WASHER	2	
58	XWGV3Y8G	WASHER	2	
59	XUC2FP	E-RING	2	
60	XYN2+J5	SCREW	1	
61	XQN2+A3	SCREW	2	
62	VHD1323	SCREW	8	
63	XQN2+CF3	SCREW	2	
64	XYN2+C4	SCREW	2	

PACKING PARTS ASSEMBLY

Components identified with the mark ⚠ have the special characteristics for safety.
When replacing any of these components, use only the same type.



PACKING PARTS ASSEMBLY

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
1	VPN5616	CUSHION (UPPER)	1	
2	VPN5552	CUSHION (LOWER)	1	
3	VPG0L72	PACKING CASE	1	
⚠ 4	VQT9414	OPERATING INSTRUCTIONS	1	
5	XSB4+12FXKS	SCREW	2	
6	VYC0814KIT	MIC HOLDER ASS'Y	1	
7	VSQ1187	MIC	1	
8	VYC0853	TRIPOD ADAPTOR	1	
9	VPF0890	POLYETHYLENE BAG	1	
10	VPF1016	POLYETHYLENE BAG	1	
11	VPF0724	POLYETHYLENE BAG	1	
12	VFC2588	SHOULDER BELT	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks

ELECTRICAL REPLACEMENT PARTS LIST

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
■ E1	VEP83551C	MAIN P.C.BOARD	1	(RTL)
■	VEP000X6A	CAMERA FILTER P.C.BOARD	1	(RTL)FOR VEP83551C
■ E2	VEP82241C	RF & SERVO P.C.BOARD	1	(RTL)
■	VEP85200A	REC/HEAD AMP P.C.BOARD	1	(RTL)FOR VEP82241C
■ E3	VEP83579A	VTR SUB P.C.BOARD	1	(RTL)
■ E4	VEP80C03A	VTR S/S P.C.BOARD	1	(RTL)
■ E5	WE600PKF1C	DRIVE P.C.BOARD	1	(RTL)
■ E6	VEP81220C	POWER P.C.BOARD	1	(RTL)
■ E7	WE600PKY1B	PRE AMP 2 P.C.BOARD	1	(RTL)
■ E8	VEP80C06D	REAR JACK P.C.BOARD	1	(RTL)
■ E9	VEP80C07B	AV OUT P.C.BOARD	1	(RTL)
■ E10	VEP86149A	OPERATE P.C.BOARD	1	(RTL)
■ E11	VEP84376A	CUE P.C.BOARD	1	(RTL)
■ E12	WE600PKB1B	SENSOR (R) P.C.BOARD	1	(RTL)
■ E13	WE600PKC1B	SENSOR (G) P.C.BOARD	1	(RTL)
■ E14	WE600PKD1B	SENSOR (B) P.C.BOARD	1	(RTL)
■ E15	WE600PKE1B	PRE AMP P.C.BOARD	1	(RTL)
■	VEP83564A	PRE AMP 3 P.C.BOARD	1	(RTL)
				FOR WE600PKE1B
■ E16	VEP80B98A	R SIDE P.C.BOARD	1	(RTL)
■ E17	VEP80B99A	SCENE FILE P.C.BOARD	1	(RTL)
■ E18	VEP80C00A	SUTO IRIS P.C.BOARD	1	(RTL)
■ E19	VEP80C01B	LED P.C.BOARD	1	(RTL)
■ E20	VEP80B94A	TOGGLE SW P.C.BOARD	1	(RTL)
■ E21	VEP80C02A	FRONT TOGGLE SW P.C.BOARD	1	(RTL)
■ E22	VEP80C20A	REMOTE MAINTENANCE P.C.B.	1	(RTL)
■ E23	VEP80B96A	MENU JOG P.C.BOARD	1	(RTL)
■ E24	VEP80B97A	POWER SW P.C.BOARD	1	(RTL)
■ E25	VEP80C08A	BREAKER P.C.BOARD	1	(RTL)
■ E26	VEP00X87D	DC INPUT P.C.BOARD	1	(RTL)
■ E27	VEP000U0A	HEAD PHONE P.C.BOARD	1	(RTL)
■ E28	VEP80C12A	FRONT MIC P.C.BOARD	1	(RTL)
■ E29	VEP80A74A	BACK TALLY P.C.BOARD	1	(RTL)
■ E30	VEP000W0A	FILTER P.C.BOARD	1	(RTL)

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
■ E1	VEP83551C	MAIN P.C.BOARD	1	(RTL)
■	VEP000X6A	CAMERA FILTER P.C.BOARD	1	(RTL)FOR VEP83551C
C1	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	FOR VEP000X6A
C2	ECUX1H820JCV	C.CAPACITOR CH 50V 82P	1	FOR VEP000X6A
C50,51	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3001	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3002,03	EEVHB0J330	E.CAPACITOR 6.3V 33U	2	
C3004-07	F1J1A1050021	C.CAPACITOR CH 10V 1U	4	
C3009,10	F1J1A1050021	C.CAPACITOR CH 10V 1U	2	
C3011	ECST1CX106	T.CAPACITOR CH 16V 10U	1	
C3012	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3013,14	ECUX1H390JCV	C.CAPACITOR CH 50V 39P	2	
C3015,16	ECUX1H070DCV	C.CAPACITOR CH 50V 7P	2	
C3017,18	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	2	
C3019,20	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	2	
C3021,22	ECUX1H270JCV	C.CAPACITOR CH 50V 27P	2	
C3026,27	EEVHP1A100	E.CAPACITOR 10V 10U	2	
C3029,30	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	2	
C3033	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3034-36	EEVHB0J330	E.CAPACITOR 6.3V 33U	3	
C3037	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
C3038,39	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	2	
C3040-42	ECUX1A105KBV	C.CAPACITOR CH 10V 1U	3	
C3043-48	F1J1A1050021	C.CAPACITOR CH 10V 1U	6	
C3052-54	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	3	
C3058-63	F1J1A1050021	C.CAPACITOR CH 10V 1U	6	
C3064-66	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3067-84	ECUX1H104KBV	C.CAPACITOR CH 50V 0.1U	18	
C3085-89	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C3090	ECST1AY106	T.CAPACITOR CH 10V 10U	1	
C3091-95	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C3096	ECST1AY106	T.CAPACITOR CH 10V 10U	1	
C3097	ECST1CX106	T.CAPACITOR CH 16V 10U	1	
C3301	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3302	ECST1AY106	T.CAPACITOR CH 10V 10U	1	
C3303	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3305	F1J0J475A006	C.CAPACITOR CH6.3V 1U	1	
C3306	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3309,10	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3311,12	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	2	
C3313	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3314	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C3315	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3316	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C3317,18	EEVHB0J220	E.CAPACITOR 6.3V 22U	2	
C3319	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C3321	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C3322	EEVHB0J101P	E.CAPACITOR 6.3V 100U	1	
C3323	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C3324	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
C3325,26	EEVHB1C100	E.CAPACITOR 16V 10U	2	
C3327	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3328,29	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3330	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C3331	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3332	EEVHB0J101P	E.CAPACITOR 6.3V 100U	1	
C3334,35	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3337	EEVHB0J220	E.CAPACITOR 6.3V 22U	1	
C3338,39	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	2	
C3340,41	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3342	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
C3343,44	F1J1A1050021	C.CAPACITOR CH 10V 1U	2	
C3345	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C3346,47	ECUX1H180JCV	C.CAPACITOR CH 50V 18P	2	
C3348	ECUX1H560JCV	C.CAPACITOR CH 50V 56P	1	
C3349	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
C3350	ECUX1H560JCV	C.CAPACITOR CH 50V 56P	1	
C3351	ECUX1H104KBV	C.CAPACITOR CH 50V 0.1U	1	
C3352	ECUX1H040CCV	C.CAPACITOR CH 50V 4P	1	
C3353	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
C3354	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C3355	ECUX1H180JCV	C.CAPACITOR CH 50V 18P	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C3356	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C3357	ECUX1H104KBV	C.CAPACITOR CH 50V 0.1U	1	
C3358	ECUX1A105KBV	C.CAPACITOR CH 10V 1U	1	
C3359	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3360	ECJ1VC1H100D	C.CAPACITOR CH 50V 10P	1	
C3361	ECUX1H270JCV	C.CAPACITOR CH 50V 27P	1	
C3362-65	F1J1A1050021	C.CAPACITOR CH 10V 1U	4	
C3366	ECUX1H270JCV	C.CAPACITOR CH 50V 27P	1	
C3370,71	F1J1A1050021	C.CAPACITOR CH 10V 1U	2	
C3372	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C3373	ECUX1H104KBV	C.CAPACITOR CH 50V 0.1U	1	
C3374	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3375	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C3376	ECUX1H104KBV	C.CAPACITOR CH 50V 0.1U	1	
C3377	ECST1CX106	T.CAPACITOR CH 16V 10U	1	
C3378	ECST1AY106	T.CAPACITOR CH 10V 10U	1	
C3379	ECST1CX106	T.CAPACITOR CH 16V 10U	1	
C3380	ECST1AY106	T.CAPACITOR CH 10V 10U	1	
C3382,83	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3384,85	ECST1CX106	T.CAPACITOR CH 16V 10U	2	
C3386	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3401	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3402	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3403	ECUX1H050CCV	C.CAPACITOR CH 50V 5P	1	
C3404	ECUX1C474KBN	C.CAPACITOR CH 16V 0.47U	1	
C3406	ECST1AY106	T.CAPACITOR CH 10V 10U	1	
C3407	ECUX1A105KBV	C.CAPACITOR CH 10V 1U	1	
C3408,09	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3410	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3411-16	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	6	
C3423	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3500-04	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C3505,06	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C3601	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3602	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C3603	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3604	ECST1AY106	T.CAPACITOR CH 10V 10U	1	
C3605	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3606	F1J0J475A006	C.CAPACITOR CH6.3V 1U	1	
C3607	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C3608	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3609	ECUX1A105KBV	C.CAPACITOR CH 10V 1U	1	
C3610,11	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C3613	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3614-17	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C3618,19	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	2	
C3620	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C3621	F1J0J475A006	C.CAPACITOR CH6.3V 1U	1	
C3622	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3623,24	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C3625	F1J0J475A006	C.CAPACITOR CH6.3V 1U	1	
C3626	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3627	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C3628	ECST1AY106	T.CAPACITOR CH 10V 10U	1	
C3702	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C3703	ECUX1C224KBN	C.CAPACITOR CH 16V 0.22U	1	F1J1C224A091
C3704	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3706	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3707	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3708	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C3709-11	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3712	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C3713	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3714	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C3715	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3716	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3717,18	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	2	
C3719	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3720,21	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	2	
C3722	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3723	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C4000,01	EEVHB1C470P	E.CAPACITOR 16V 47U	2	
C4002	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C4003,04	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	2	
C4005-08	EEVHP1H1R0	E.CAPACITOR 50V 1U	4	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C4009,10	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	2	
C4011,12	EEVHP1H1R0	E.CAPACITOR 50V 1U	2	
C4013,14	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	2	
C4015-17	EEVHP1H1R0	E.CAPACITOR 50V 1U	3	
C4019	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C4020,21	EEVHB0J330	E.CAPACITOR 6.3V 33U	2	
C4022	EEVHB0J220	E.CAPACITOR 6.3V 22U	1	
C4023	ECUX1H183KBV	C.CAPACITOR CH 50V 0.018U	1	
C4024,25	ECUX1C273KBV	C.CAPACITOR CH 16V 0.027U	2	
C4026,27	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4028,29	EEVHB0J330	E.CAPACITOR 6.3V 33U	2	
C4030	EEVHB0J220	E.CAPACITOR 6.3V 22U	1	
C4031	ECUX1H183KBV	C.CAPACITOR CH 50V 0.018U	1	
C4032,33	ECUX1C273KBV	C.CAPACITOR CH 16V 0.027U	2	
C4034-37	EEVHB0J470	E.CAPACITOR 6.3V 47U	4	
C4038	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
C4039	ECUX1H104KBV	C.CAPACITOR CH 50V 0.1U	1	
C4040	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
C4041-44	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C4047	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C4051	ECEA1HSN010	E.CAPACITOR 50V 1U	1	
C4100,01	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4102	ECUX1H151JCV	C.CAPACITOR CH 50V 150P	1	
C4103,04	EEVHP0J100	E.CAPACITOR 6.3V 10U	2	
C4105	EEVHB0J220	E.CAPACITOR 6.3V 22U	1	
C4106	F1L1C1060020	C.CAPACITOR CH 16V 10U	1	
C4107,08	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4109	ECUX1H151JCV	C.CAPACITOR CH 50V 150P	1	
C4110,11	EEVHP0J100	E.CAPACITOR 6.3V 10U	2	
C4112	EEVHB0J220	E.CAPACITOR 6.3V 22U	1	
C4113	F1L1C1060020	C.CAPACITOR CH 16V 10U	1	
C4114,15	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4120-22	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C4200,01	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4202,03	EEVHB0G470	E.CAPACITOR 4V 47U	2	
C4204	EEVHB0J220	E.CAPACITOR 6.3V 22U	1	
C4205	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C4206	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	1	
C4207,08	EEVHB0G470	E.CAPACITOR 4V 47U	2	
C4209	EEVHB0J220	E.CAPACITOR 6.3V 22U	1	
C4210	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C4211	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	1	
C4212	EEVHB0G470	E.CAPACITOR 4V 47U	1	
C4213	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	1	
C4214,15	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4216	EEVHB0J220	E.CAPACITOR 6.3V 22U	1	
C4217,18	ECUX1H151JCV	C.CAPACITOR CH 50V 150P	2	
C4219,20	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4221	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C4222	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C4223	EEVHB0J220	E.CAPACITOR 6.3V 22U	1	
C4224,25	ECUX1H151JCV	C.CAPACITOR CH 50V 150P	2	
C4226,27	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4228	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C4229	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C4230-32	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C4233,34	EEVHB0J330	E.CAPACITOR 6.3V 33U	2	
C4235	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C4236	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
C4237,38	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4239	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
C4240,41	EEVHB0J220	E.CAPACITOR 6.3V 22U	2	
C4300	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C4301	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C4303	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C4304	ECUX1H104KBM	C.CAPACITOR CH 50V 0.1U	1	
C4305,06	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	2	
C4307	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C4308	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C4309	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C4310	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C4311,12	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4313,14	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C4315	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C4316-19	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C4400	EEVHB1H100P	E.CAPACITOR 50V 10U	1	
C4401	EEVHB1H1R0	E.CAPACITOR 50V 1U	1	
C4402	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C4403	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C4404	F1L1C1060020	C.CAPACITOR CH 16V 10U	1	
C4405	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C4406,07	EEVHB1C100	E.CAPACITOR 16V 10U	2	
C4408	F1L1C1060020	C.CAPACITOR CH 16V 10U	1	
C4409	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C4410	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C4411-13	ECUX1A105KBV	C.CAPACITOR CH 10V 1U	3	
C4414	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C4415	VCE0200	E.CAPACITOR	1	F2G0J3310002
C4416,17	ECUX1H182KBV	C.CAPACITOR CH 50V 1800P	2	
C4418	VCE0200	E.CAPACITOR	1	F2G0J3310002
C4420	ECUX1H104KBV	C.CAPACITOR CH 50V 0.1U	1	
C4421	ECUX1C474KBN	C.CAPACITOR CH 16V 0.47U	1	
C4423	ECUX1H104KBV	C.CAPACITOR CH 50V 0.1U	1	
C4424	ECUX1C474KBN	C.CAPACITOR CH 16V 0.47U	1	
C4425	F1L1C1060020	C.CAPACITOR CH 16V 10U	1	
C4426,27	EEVHB0J470	E.CAPACITOR 6.3V 47U	2	
C4428	F1L1C1060020	C.CAPACITOR CH 16V 10U	1	
C4429	EEVHB0J101P	E.CAPACITOR 6.3V 100U	1	
C4430,31	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C6000	VCK0152	C.CAPACITOR	1	F1L1C1060016
C6010	VCK0152	C.CAPACITOR	1	F1L1C1060016
C6011,12	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C6013	ECUX1A105KBV	C.CAPACITOR CH 10V 1U	1	
C6015,16	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C6017	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C6018-35	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	18	
C6103-06	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C6107,08	EEVHB1A101P	E.CAPACITOR 10V 100U	2	
C6109-11	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C6112	EEVHB1A330	E.CAPACITOR 10V 33U	1	
C6113	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	
C6200-10	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	11	
C6300-12	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	13	
C6315	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C6400-08	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	9	
C6500,01	ECUX1H150JCV	C.CAPACITOR CH 50V 15P	2	
C6502-11	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	10	
C6512	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	
C7001	YGM1F105Z1AT	C.CAPACITOR 31.5V 1U	1	
C7002	F1H1H151A231	C.CAPACITOR CH 50V 150P	1	
C7003	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	1	F1H1E104A016
C7021-24	SK21A225KRA	T.CAPACITOR CH 10V 2.2U	4	
C7025	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	1	F1H1E104A016
C7029	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	1	F1H1E104A016
C7031,32	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	2	F1H1E104A016
C7102	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	1	F1H1E104A016
C7104	ECUX1H040CCV	C.CAPACITOR CH 50V 4P	1	
C7105,06	YGM1F105Z1AT	C.CAPACITOR 31.5V 1U	2	
C7109	ECST1DX106	T.CAPACITOR CH 20V 10U	1	
C7110	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C7111	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	1	F1H1E104A016
C7112	F3G1C1560001	T.CAPACITOR CH 16V 15U	1	
C7114	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	1	F1H1E104A016
C7115	ECST1AC476	T.CAPACITOR CH 10V 47U	1	
C7116	F3G1C1560001	T.CAPACITOR CH 16V 15U	1	
C7118	YGM1F105Z1AT	C.CAPACITOR 31.5V 1U	1	
C7119	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	1	F1H1E104A016
C7120	YGM1B103K1HT	C.CAPACITOR 12.5V 0.01U	1	F1H1H103A190
C7121-26	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	6	F1H1E104A016
C7127	ECST1DX106	T.CAPACITOR CH 20V 10U	1	
C7128	F1H1H270A231	C.CAPACITOR CH 50V 27P	1	
C7131	F3G1C1560001	T.CAPACITOR CH 16V 15U	1	
C7132	YGM1B103K1HT	C.CAPACITOR 12.5V 0.01U	1	F1H1H103A190
C7134	F3G1C1560001	T.CAPACITOR CH 16V 15U	1	
C7135	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	1	F1H1E104A016
C7136	F3G1C1560001	T.CAPACITOR CH 16V 15U	1	
C7137-41	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	5	F1H1E104A016
C7144	ECUX1H180JCV	C.CAPACITOR CH 50V 18P	1	
C7202	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	1	F1H1E104A016
C7204	ECUX1H040CCV	C.CAPACITOR CH 50V 4P	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C7205,06	YGM1F105Z1AT	C.CAPACITOR 31.5V 1U	2	
C7209	ECST1DX106	T.CAPACITOR CH 20V 10U	1	
C7210	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C7211	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	1	F1H1E104A016
C7212	F3G1C1560001	T.CAPACITOR CH 16V 15U	1	
C7214	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	1	F1H1E104A016
C7215	ECST1AC476	T.CAPACITOR CH 10V 47U	1	
C7216	F3G1C1560001	T.CAPACITOR CH 16V 15U	1	
C7218	YGM1F105Z1AT	C.CAPACITOR 31.5V 1U	1	
C7219	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	1	F1H1E104A016
C7220	YGM1B103K1HT	C.CAPACITOR 12.5V 0.01U	1	F1H1H103A190
C7221-26	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	6	F1H1E104A016
C7227	ECST1DX106	T.CAPACITOR CH 20V 10U	1	
C7228	F1H1H270A231	C.CAPACITOR CH 50V 27P	1	
C7231	F3G1C1560001	T.CAPACITOR CH 16V 15U	1	
C7232	YGM1B103K1HT	C.CAPACITOR 12.5V 0.01U	1	F1H1H103A190
C7234	F3G1C1560001	T.CAPACITOR CH 16V 15U	1	
C7235	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	1	F1H1E104A016
C7236	F3G1C1560001	T.CAPACITOR CH 16V 15U	1	
C7237-41	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	5	F1H1E104A016
C7244	ECUX1H180JCV	C.CAPACITOR CH 50V 18P	1	
C7302	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	1	F1H1E104A016
C7304	ECUX1H040CCV	C.CAPACITOR CH 50V 4P	1	
C7305,06	YGM1F105Z1AT	C.CAPACITOR 31.5V 1U	2	
C7309	ECST1DX106	T.CAPACITOR CH 20V 10U	1	
C7310	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C7311	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	1	F1H1E104A016
C7312	F3G1C1560001	T.CAPACITOR CH 16V 15U	1	
C7314	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	1	F1H1E104A016
C7315	ECST1AC476	T.CAPACITOR CH 10V 47U	1	
C7316	F3G1C1560001	T.CAPACITOR CH 16V 15U	1	
C7318	YGM1F105Z1AT	C.CAPACITOR 31.5V 1U	1	
C7319	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	1	F1H1E104A016
C7320	YGM1B103K1HT	C.CAPACITOR 12.5V 0.01U	1	F1H1H103A190
C7321-26	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	6	F1H1E104A016
C7327	ECST1DX106	T.CAPACITOR CH 20V 10U	1	
C7328	F1H1H270A231	C.CAPACITOR CH 50V 27P	1	
C7331	F3G1C1560001	T.CAPACITOR CH 16V 15U	1	
C7332	YGM1B103K1HT	C.CAPACITOR 12.5V 0.01U	1	F1H1H103A190
C7334	F3G1C1560001	T.CAPACITOR CH 16V 15U	1	
C7335	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	1	F1H1E104A016
C7336	F3G1C1560001	T.CAPACITOR CH 16V 15U	1	
C7337-41	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	5	F1H1E104A016
C7344	ECUX1H180JCV	C.CAPACITOR CH 50V 18P	1	
C7501	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C7502	ECST1CX106	T.CAPACITOR CH 16V 10U	1	
C7503	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C7504	ECST1CX106	T.CAPACITOR CH 16V 10U	1	
C7505	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C7506,07	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C7508,09	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	2	
C7510	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C7511	ECST1CX106	T.CAPACITOR CH 16V 10U	1	
C7512	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C7513	ECST1CX106	T.CAPACITOR CH 16V 10U	1	
C7514	ECHU1C104JB	P.CAPACITOR 16V 0.1U	1	
C7515	EEVHP1C100	E.CAPACITOR 16V 10U	1	
C7516,17	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C7518	ECHU1C104JB	P.CAPACITOR 16V 0.1U	1	
C7519	EEVHP1C100	E.CAPACITOR 16V 10U	1	
C7520	ECHU1C104JB	P.CAPACITOR 16V 0.1U	1	
C7521	EEVHP1C100	E.CAPACITOR 16V 10U	1	
C7522	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C7523	ECST1CX106	T.CAPACITOR CH 16V 10U	1	
C7524	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C7525,26	ECUX1H104KBV	C.CAPACITOR CH 50V 0.1U	2	
C8001	YGM1F105Z1AT	C.CAPACITOR 31.5V 1U	1	
C8005,06	ECST1AD107	T.CAPACITOR CH 10V 100U	2	
C8009	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	1	F1H1E104A016
C8011	ECST1CX106	T.CAPACITOR CH 16V 10U	1	
C8012-16	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	5	F1H1E104A016
C8017	F1H1H300A004	C.CAPACITOR CH 50V 30P	1	
C8018	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	1	F1H1E104A016
C8019	F1H1H101A231	C.CAPACITOR CH 50V 100P	1	
C8021	SK41C336MC	T.CAPACITOR CH 16V 33U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C8022	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	1	F1H1E104A016
C8024	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	1	F1H1E104A016
C8026-28	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	3	F1H1E104A016
C8030-56	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	27	F1H1E104A016
C8071	YGM1C470J1HT	C.CAPACITOR 16V 47P	1	
C8073-76	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	4	F1H1E104A016
C8077	ECST1AD107	T.CAPACITOR CH 10V 100U	1	
C8078-81	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	4	F1H1E104A016
C8082	ECST1AD107	T.CAPACITOR CH 10V 100U	1	
C8083,84	SK31A475KRA	T.CAPACITOR CH 10V 4.7U	2	
C8085	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	1	F1H1E104A016
C8086	ECST1AC476	T.CAPACITOR CH 10V 47U	1	
C8087	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C8088	ECST1AD107	T.CAPACITOR CH 10V 100U	1	ECST1AD107R
C8089,90	SK31A475KRA	T.CAPACITOR CH 10V 4.7U	2	
C8092,93	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	2	F1H1E104A016
C8094	F1H1H150A231	C.CAPACITOR CH 50V 22P	1	
C8095,96	YGM1C471J1HT	C.CAPACITOR 16V 470U	2	
C8097	F1H1H200A004	C.CAPACITOR CH 50V 20P	1	
C8098,99	YGM1C471J1HT	C.CAPACITOR 16V 470U	2	
C8105	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	1	F1H1E104A016
C8108	F1K1E1040003	C.CAPACITOR CH 25V 0.1U	1	
C8109	5X122K5VT	C.CAPACITOR 50V 1200P	1	F1H1H122A013
C8111	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	1	F1H1E104A016
C8112	SK21A225KRA	T.CAPACITOR CH 10V 2.2U	1	
C8113	F1H1E223A002	C.CAPACITOR CH 25V 0.022U	1	
C8118	ECST1CC336	T.CAPACITOR CH 16V 33U	1	
C8119	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	1	F1H1E104A016
C8120	ECST1CX106	T.CAPACITOR CH 16V 10U	1	
C8121,22	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	2	F1H1E104A016
C8123	ECST1CC336	T.CAPACITOR CH 16V 33U	1	
C8124-27	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	4	F1H1E104A016
C8136	ECEV1CN100Q	E.CAPACITOR CH 16V 10U	1	
C8137,38	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	2	F1H1E104A016
C8139	F3F1A1060001	T.CAPACITOR CH 10V 10U	1	
C8140	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	1	F1H1E104A016
C8141	ECST1CX156	T.CAPACITOR CH 16V 15U	1	
C8142,43	YGM1C470J1HT	C.CAPACITOR 16V 47P	2	
C8144	F1H1H150A231	C.CAPACITOR CH 50V 22P	1	
C8145,46	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	2	F1H1E104A016
C8147	F3F1A1060001	T.CAPACITOR CH 10V 10U	1	
C8150	ECST1DX106	T.CAPACITOR CH 20V 10U	1	
C8153,54	YGM1C470J1HT	C.CAPACITOR 16V 47P	2	
C8155	F1H1H150A231	C.CAPACITOR CH 50V 22P	1	
C8157	YGM1C100D1HT	C.CAPACITOR 16V 10P	1	F1H1H100A226
C8161	ECST1AX226	T.CAPACITOR CH 10V 22U	1	
C8162	F3F1A1060001	T.CAPACITOR CH 10V 10U	1	
C8163	ECST1DX106	T.CAPACITOR CH 20V 10U	1	
C8165	F1H1H151A231	C.CAPACITOR CH 50V 150P	1	
C8166	F1H1H330A231	C.CAPACITOR CH 50V 33P	1	
C8168	F3F1A1060001	T.CAPACITOR CH 10V 10U	1	
C8172	ECST1CX156	T.CAPACITOR CH 16V 15U	1	
C8173	YGM1C020C1HT	C.CAPACITOR 16V 2P	1	F1H1H2R0A260
C8178	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	1	F1H1E104A016
C8187	SK31A475KRA	T.CAPACITOR CH 10V 4.7U	1	
C8188	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	1	F1H1E104A016
C8189	ECST1AC476	T.CAPACITOR CH 10V 47U	1	
C8190,91	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	2	F1H1E104A016
C8192	F1H1H150A231	C.CAPACITOR CH 50V 22P	1	
C8193,94	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	2	F1H1E104A016
C8196	YGM1F105Z1AT	C.CAPACITOR 31.5V 1U	1	
C8209	F1H1H181A004	C.CAPACITOR CH 50V 180P	1	
C8213-16	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	4	F1H1E104A016
C8219	F1H1H101A231	C.CAPACITOR CH 50V 100P	1	
C8221	YGM1C220J1HT	C.CAPACITOR 16V 22P	1	F1H1H220A231
C8222	YGM1C040C1HT	C.CAPACITOR 16V 4P	1	F1H1H4R0A243
C8223	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	1	F1H1E104A016
C8225,26	YGM1C220J1HT	C.CAPACITOR 16V 22P	2	F1H1H220A231
C8228	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	1	F1H1E104A016
C8229	F3H1A4760005	T.CAPACITOR CH 10V 47U	1	
C8230-32	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	3	F1H1E104A016
C8233	YGM1C470J1HT	C.CAPACITOR 16V 47P	1	
C8240	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C8600,01	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	2	F1H1E104A016
C8603	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C8604,05	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	2	F1H1E104A016
C8608-10	ECST1AY106	T.CAPACITOR CH 10V 10U	3	
C8612	ECST1AY106	T.CAPACITOR CH 10V 10U	1	
C8613-18	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	6	
C8650,51	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	2	
C8652	ECUX1H150JCV	C.CAPACITOR CH 50V 15P	1	
C8653	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C8654	ECUX1H180JCV	C.CAPACITOR CH 50V 18P	1	
C8655	ECUX1H820JCV	C.CAPACITOR CH 50V 82P	1	
C8656	ECUX1H121JCV	C.CAPACITOR CH 50V 120P	1	
C8657,58	ECUX1H104KBV	C.CAPACITOR CH 50V 0.1U	2	
C8659	ECST1CC336	T.CAPACITOR CH 16V 33U	1	
C8662	ECUX1H820JCV	C.CAPACITOR CH 50V 82P	1	
C8663	ECUX1H070DCV	C.CAPACITOR CH 50V 7P	1	
C8664	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C8700,01	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C8702,03	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	2	F1H1E104A016
C8750	ECST1EC106	T.CAPACITOR CH 25V 10U	1	
C8751	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	1	F1H1E104A016
C8752	ECST1DX106	T.CAPACITOR CH 20V 10U	1	
C8753	ECST0JC686	T.CAPACITOR CH6.3V 68U	1	
C8754	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	1	F1H1E104A016
C8755	F3H1A4760005	T.CAPACITOR CH 10V 47U	1	
C8756	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C8757	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	1	F1H1E104A016
C8759	SK41C336MC	T.CAPACITOR CH 16V 33U	1	
C8760	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C8761	ECST1AY106	T.CAPACITOR CH 10V 10U	1	
C8762	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C8763	ECST0JY106Z	T.CAPACITOR CH6.3V 10U	1	
C8764	ECST1CX156	T.CAPACITOR CH 16V 15U	1	
C8765,66	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C8767	ECUX1H104KBV	C.CAPACITOR CH 50V 0.1U	1	
C8800-03	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C8804	ECST1CX156	T.CAPACITOR CH 16V 15U	1	
C8805-08	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C8809	ECST1CX156	T.CAPACITOR CH 16V 15U	1	
C8810-17	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	8	
C8818,19	ECST1AX336	E.CAPACITOR 6.3V 120U	2	
C8820,21	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C8822	ECST1CX106	T.CAPACITOR CH 16V 10U	1	
C8823	ECST1CC336	T.CAPACITOR CH 16V 33U	1	
D3301	MA142K-G	DIODE	1	
D3401	MA143-G	DIODE	1	
D4001	MA142WK-G	DIODE	1	
D4003	MA142WK-G	DIODE	1	
D4004-09	MA143-G	DIODE	6	
D4100,01	MA142K-G	DIODE	2	
D4200-03	MA143-G	DIODE	4	
D4400	MA3220	DIODE	1	
D4401	MA143-G	DIODE	1	
D6000	MA142K-G	DIODE	1	
D6005	MA143-G	DIODE	1	
D6007	MA143-G	DIODE	1	
D6009	MA142K-G	DIODE	1	
D6010,11	MA143-G	DIODE	2	
D6013-20	MA143-G	DIODE	8	
D6100	MA142WA-G	DIODE	1	
D6400	MA142WA-G	DIODE	1	
D7101	MA3J142K0L	DIODE	1	
D7201	MA3J142K0L	DIODE	1	
D7301	MA3J142K0L	DIODE	1	
D8004-07	B0CCAB000015	DIODE	4	
D8700,01	MA143-G	DIODE	2	
D8750	MA3056-M	DIODE	1	MAZ30560ML
FL3001	J0E6004B0012	FILTER	1	
FL4300	G4ZZ00000278	FILTER	1	
FL8002	J0E3584B0005	FILTER	1	
IC3001	C0CBADD00003	IC	1	
IC3003-05	AD8051AR	IC	3	
IC3006	XC62FP3002P	IC	1	
IC3007-09	C0FBAF000042	IC	3	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC3010-12	C0ABEB000035	IC	3	
IC3013	C0CBABC00060	IC	1	
IC3301	XC62FP3002P	IC	1	
IC3302	C1AB00001449	IC	1	
IC3303	TC4W53FU	IC	1	C0JBAR000113
IC3305,06	C1AB00000430	IC	2	
IC3307	C0JBAZ000516	IC	1	
IC3308	AD8051AR	IC	1	
IC3309	C0ABBB000158	IC	1	
IC3310	C0CBADD00003	IC	1	
IC3401	C0CBABC00060	IC	1	
IC3402	C0JBAZ001605	IC	1	
IC3403	BH7086KV	IC	1	C1ZBZ0001649
IC3404	C0JBAB000175	IC	1	
IC3500	M62370GP	IC	1	C0FBBD000082
IC3501	C0JBAZ001348	IC	1	
IC3502	C0ABEB000035	IC	1	
IC3601	XC62FP3002P	IC	1	
IC3602	AN3742FHN-EB	IC	1	
IC3604	C1AB00000860	IC	1	
IC3702	C0CBADD00003	IC	1	
IC3703	C0JBAZ001605	IC	1	
IC3704	C0ABCA000038	IC	1	
IC3705	C0JBAA000102	IC	1	
IC3706	C0JBAZ001605	IC	1	
IC3707	C0JBAA000265	IC	1	
IC3710	C0DBEZC00009	IC	1	
IC4000	UPC5022GA121	IC	1	
IC4001	C0ABEB000034	IC	1	
IC4002	C0JBAZ001348	IC	1	
IC4003,04	C0JBAB000200	IC	2	
IC4005	C0JBAZ000610	IC	1	
IC4100,01	C0ABBB000124	IC	2	
IC4102	C0JBAZ001348	IC	1	
IC4105	C0JBAA000224	IC	1	
IC4106	C0JBAZ001348	IC	1	
IC4200	C0CBABC00049	IC	1	
IC4201	AK4503VF	IC	1	
IC4202,03	C0ABEB000034	IC	2	
IC4204	C0ABEB000035	IC	1	
IC4205	C0JBAZ000279	IC	1	
IC4300	C0JBAZ001348	IC	1	
IC4301	C0ABEB000035	IC	1	
IC4302	C1BB00000311	IC	1	
IC4303	C0ABEB000035	IC	1	
IC4400	C0ABEB000034	IC	1	
IC4401	C1AB00001196	IC	1	
IC4402	C0JBAZ001348	IC	1	
IC6000	C0EBJ0000049	IC	1	
IC6001	C0EBE0000075	IC	1	
IC6002	C0ABBA000075	IC	1	
IC6004	C0JBAZ000279	IC	1	
IC6005	C0JBAB000175	IC	1	
IC6006	C0ABBA000075	IC	1	
IC6101	C0JBZZ000027	IC	1	
IC6102,03	TVHT541FT	IC	2	C0JBAZ000856
IC6105	C3ZBD0000004	IC	1	
IC6106	C1ZBZ0001318	IC	1	
IC6107	C1ZBZ0001486	IC	1	
IC6108	TVHT541FT	IC	1	C0JBAZ000856
IC6200	C1AB00000936	IC	1	
IC6301	C1AB00000936	IC	1	
IC6302	C0JBAZ001605	IC	1	
IC6400,01	C0JBAF000315	IC	2	
IC6402	C1AB00001228	IC	1	
IC6403	C0JBAE000135	IC	1	
IC6404	THC4052FT	IC	1	
IC6502,03	C0JBAB000422	IC	2	
IC7001	C0JBAB000028	IC	1	
IC7005	TC4W53FU	IC	1	C0JBAR000113
IC7006	NJM2059M	IC	1	C0ABCB000023
IC7007	C5AB00000001	IC	1	
IC7008	C0JBAA000014	IC	1	
IC7101	C0JBAZ001348	IC	1	
IC7102,03	NJM4559M	IC	2	C0ABBB000050

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC7104	C0ABEB000037	IC	1	
IC7105	NJM4560M	IC	1	
IC7108	TC4W53FU	IC	1	C0JBAR000113
IC7201	C0JBAZ001348	IC	1	
IC7202,03	NJM4559M	IC	2	C0ABBB000050
IC7204	C0ABEB000037	IC	1	
IC7205	NJM4560M	IC	1	
IC7208	TC4W53FU	IC	1	C0JBAR000113
IC7301	C0JBAZ001348	IC	1	
IC7302,03	NJM4559M	IC	2	C0ABBB000050
IC7304	C0ABEB000037	IC	1	
IC7305	NJM4560M	IC	1	
IC7308	TC4W53FU	IC	1	C0JBAR000113
IC7501,02	TC7SET32FU	IC	2	
IC7503	C0ABFB000012	IC	1	
IC7504	C0JBAZ001348	IC	1	
IC7505	C0ABFB000012	IC	1	
IC7506	C0JBAZ001348	IC	1	
IC7507	M62352GP	IC	1	C0FBBD000023
IC8001	M51957BFP	IC	1	C0EBH0000062
IC8004	C0JBAA000014	IC	1	
IC8005	BR9040F	IC	1	
IC8006	C0JBAN000098	VHC	1	
IC8007	UPD6465GT611	IC	1	
IC8009	M62352GP	IC	1	C0FBBD000023
IC8010-12	MN6577F	IC	3	
IC8015	C0ABBA000075	IC	1	
IC8018	TVS1129	IC	1	C0JBAZ000525
IC8020	NJM2903M	IC	1	C0BBBA000019
IC8026	C0JBAC000111	IC	1	
IC8029	C1ZBZ0000169	IC	1	
IC8030	F432532APGF	IC	1	C1AB00000199
IC8031	C0JBAB000220	IC	1	
IC8032	C0JBAB000175	IC	1	
IC8035	C0JBAA000102	IC	1	
IC8037	MB40950	IC	1	C0FABD000019
IC8039	LM1881M	IC	1	C1AB00000178
IC8040	C0JBAM000039	IC	1	
IC8041	C0JBAD000071	IC	1	
IC8042	C0JBAB000005	IC	1	
IC8044	C0JBAB000005	IC	1	
IC8047	C0JBAB000003	IC	1	
IC8048	C0JBAF000162	IC	1	
IC8049	C0JBAZ000025	IC	1	
IC8050	C0JBAF000162	IC	1	
IC8051	TC7SH08FU	IC	1	
IC8422	C0JBAB000220	IC	1	
IC8423	C0JBAZ000280	IC	1	
IC8425	C0JBAB000175	IC	1	
IC8429	C0ABBB000179	IC	1	
IC8432	C0ABEB000023	IC	1	
IC8601	C0JBAC000111	IC	1	
IC8604,05	C0CBABC00059	IC	2	
IC8700,01	TC4W53FU	IC	2	C0JBAR000113
IC8702,03	TC7W126F	IC	2	
IC8704	C0JBAA000102	IC	1	
IC8751	NJM431U	IC	1	C0DBEZC00003
IC8754	C0ABBA000075	IC	1	
IC8755	C0ABCA000038	IC	1	
IC8756	C0JBAB000180	IC	1	
IC8757	XC62FP4502PR	IC	1	
IC8758	C0JBAA000255	IC	1	
IC8800	ADV7123KST50	IC	1	C0FBBF000020
IC8802,03	C0JBAA000115	IC	2	
IC8804-07	TC4W53FU	IC	4	C0JBAR000113
IC8808,09	C0JBAB000175	IC	2	
IP3402	C1ZBZ0001968	IC	1	
IP6003	C2GBC0000084	MICRO CONTROLLER	1	
IP6501	C1ZBZ0001803	IC	1	
IP8003	UL1A531A	IC	1	
J3601	VJR1094	TERMINAL	1	
J7001,02	VJR1094	TERMINAL	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
L1,L2	VLQ0163J1R5	COIL 1.5UH	2	FOR VEP000X6A
L11,12	J0JKC0000009	FILTER	2	
L13-17	J0JBC0000014	FILTER	5	
L50,51	J0JBC0000014	FILTER	2	
L52	VLQ0319M6R8	COIL 6.8UH	1	G1C6R8MA0001
L3001,02	G1C820J00002	COIL 82UH	2	
L3003,04	VLQ0163J680	COIL 68UH	2	
L3005	VLQ0319K101	COIL 100UH	1	G1C101K00022
L3301,02	VLQ0163J120	COIL 12UH	2	G1C120J00001
L3303	VLQ0163J6R8	COIL 6.8UH	1	G1C6R8J00007
L3304	G1C8R2J00002	COIL 8.2UH	1	
L3305	VLQ0319K101	COIL 100UH	1	G1C101K00022
L3403,04	J0JBC0000019	FILTER	2	
L3601	J0JBC0000019	FILTER	1	
L3602,03	VLQ0319K101	COIL 100UH	2	G1C101K00022
L4000-05	VLQ0163J100	COIL 10UH	6	G1C100J00001
L4201,02	VLQ0163J100	COIL 10UH	2	G1C100J00001
L7501	VLQ0319K220	COIL 22UH	1	G1C220K00015
L8001	G1C390J00001	COIL	1	
L8002-04	J0JBC0000019	FILTER	3	
L8005	ELJFC4R7MF	COIL 4.7UH	1	
L8006	G1C4R7J00002	COIL	1	
L8007,08	ELJFC4R7MF	COIL 4.7UH	2	
L8009,10	ELJFC5R6MF	COIL 5.6UH	2	
L8551	J0JKC0000009	FILTER	1	
L8600	J0JKC0000009	FILTER	1	
L8603,04	J0JBC0000019	FILTER	2	
L8651	ELJFC4R7MF	COIL 4.7UH	1	
L8652	VLQ0163J5R6	COIL 5.6UH	1	
L8653	VLQ0163J680	COIL 68UH	1	
L8654	VLQ0163J221	COIL 220UH	1	G1C221J00003
L8700,01	J0JBC0000019	FILTER	2	
L8800	ELJFC4R7MF	COIL 4.7UH	1	
P1	VJP3978C120E	CONNECTOR (MALE)	1	
P2	K1MN20A00036	CONNECTOR	1	
P3	K1MZ06B00001	CONNECTOR	1	
P4	K1MM16B00003	CONNECTOR	1	
P6	K1MM21B00003	CONNECTOR	1	
P7	VJS2848D018	CONNECTOR (FEMALE)	1	K1MN18B00010
P8	VJP3125D015	CONNECTOR (MALE)	1	K1KA15B00034
P9	VJS3801D024	CONNECTOR (FEMALE)	1	
P10	K1KA11B00031	CONNECTOR (MALE)	1	
P11	K1KA06B00106	CONNECTOR (MALE)	1	
P12	VJS3801D024	CONNECTOR (FEMALE)	1	
P13	VJS3801D040	CONNECTOR	1	K1MN40B00010
P15	VJP3172D003	CONNECTOR (MALE)	1	K1KA03B00006
P16	K1KA13B00037	CONNECTOR (MALE)	1	
P17	VJP3172D002	CONNECTOR (MALE)	1	K1KA02B00051
P18	VJP3125B010	CONNECTOR (MALE)	1	K1KA10B00136
P19	K1KA08B00147	CONNECTOR (MALE)	1	
P20	K1KA60B00052	CONNECTOR (MALE)	1	
P21	VJP3358C022	CONNECTOR (MALE)	1	K1KA22A00027
P22	VJP3172D007	CONNECTOR (MALE)	1	
P23	VJP3172D006	CONNECTOR (MALE)	1	K1KA06B00054
P30	K1MN20A00036	CONNECTOR	1	
P6000	K1MN20A00036	CONNECTOR	1	
P8000	K1MN20A00036	CONNECTOR	1	
P8001	K1KA02A00079	CONNECTOR (MALE)	1	
Q3001-04	2SD1819ALL	TRANSISTOR	4	
Q3005,06	2SA15320XL	TRANSISTOR	2	
Q3007,08	2SB1218ALL	TRANSISTOR	2	
Q3009-11	2SD1819ALL	TRANSISTOR	3	
Q3012-14	2SK06620LL	TRANSISTOR	3	
Q3015-17	2SD1819ALL	TRANSISTOR	3	
Q3301	2SD1819ALL	TRANSISTOR	1	
Q3302	XP0431200L	TRANSISTOR	1	
Q3701-04	2SD0874ALL	TRANSISTOR	4	
Q4000	2SD1819A-R	TRANSISTOR	1	2SD1819ARL
Q4001	2SD0602ASL	TRANSISTOR	1	
Q4002	2SB0710ARL	TRANSISTOR	1	
Q4003-05	2SB12200HL	TRANSISTOR	3	
Q4100,01	2SD197900L	TRANSISTOR	2	
Q4102-04	2SD1819A-R	TRANSISTOR	3	2SD1819ARL

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
Q4105,06	2SD197900L	TRANSISTOR	2	
Q4107-09	2SD1819A-R	TRANSISTOR	3	2SD1819ARL
Q4400	2SD0602ARL	TRANSISTOR	1	
Q4401-04	2SD197900L	TRANSISTOR	4	
Q4405	2SB1219AHL	TRANSISTOR	1	
Q6401	XN0121300L	TRANSISTOR-RESISTOR	1	
Q6403	XN0460100L	TRANSISTOR-RESISTOR	1	
Q7102	XN0653400L	TRANSISTOR-RESISTOR	1	
Q7103	2SC39310YL	TRANSISTOR	1	
Q7104	2SK662-R	TRANSISTOR	1	2SK06620EL
Q7105	XN0653400L	TRANSISTOR	1	
Q7106-08	XN0643500L	TRANSISTOR	3	
Q7110	XN0643500L	TRANSISTOR	1	
Q7111	2SK662-R	TRANSISTOR	1	2SK06620EL
Q7113-16	XN0643500L	TRANSISTOR	4	
Q7117,18	2SA15320CL	TRANSISTOR	2	
Q7119	2SC39310YL	TRANSISTOR	1	
Q7120	2SK662-R	TRANSISTOR	1	2SK06620EL
Q7121	XN0643500L	TRANSISTOR	1	
Q7122	2SC39310YL	TRANSISTOR	1	
Q7202	XN0653400L	TRANSISTOR	1	
Q7203	2SC39310YL	TRANSISTOR	1	
Q7204	2SK662-R	TRANSISTOR	1	2SK06620EL
Q7205	XN0653400L	TRANSISTOR	1	
Q7206-08	XN0643500L	TRANSISTOR	3	
Q7210	XN0643500L	TRANSISTOR	1	
Q7211	2SK662-R	TRANSISTOR	1	2SK06620EL
Q7213-16	XN0643500L	TRANSISTOR	4	
Q7217,18	2SA15320CL	TRANSISTOR	2	
Q7219	2SC39310YL	TRANSISTOR	1	
Q7220	2SK662-R	TRANSISTOR	1	2SK06620EL
Q7221	XN0643500L	TRANSISTOR	1	
Q7222	2SC39310YL	TRANSISTOR	1	
Q7302	XN0653400L	TRANSISTOR	1	
Q7303	2SC39310YL	TRANSISTOR	1	
Q7304	2SK662-R	TRANSISTOR	1	2SK06620EL
Q7305	XN0653400L	TRANSISTOR	1	
Q7306-08	XN0643500L	TRANSISTOR	3	
Q7310	XN0643500L	TRANSISTOR	1	
Q7311	2SK662-R	TRANSISTOR	1	2SK06620EL
Q7313-16	XN0643500L	TRANSISTOR	4	
Q7317,18	2SA15320CL	TRANSISTOR	2	
Q7319	2SC39310YL	TRANSISTOR	1	
Q7320	2SK662-R	TRANSISTOR	1	2SK06620EL
Q7321	XN0643500L	TRANSISTOR	1	
Q7322	2SC39310YL	TRANSISTOR	1	
Q7501-03	2SD1819A-R	TRANSISTOR	3	
Q8004	XP0460100L	TRANSISTOR	1	
Q8022	2SB1218ALL	TRANSISTOR	1	
Q8023,24	2SC39310YL	TRANSISTOR	2	
Q8025	2SB1218ALL	TRANSISTOR	1	
Q8026	B1ABCF000059	TRANSISTOR	1	
Q8028	B1ABCF000059	TRANSISTOR	1	
Q8035	B1ABCF000059	TRANSISTOR	1	
Q8038	2SC39310YL	TRANSISTOR	1	
Q8039	B1ABCF000059	TRANSISTOR	1	
Q8044	2SB1218ALL	TRANSISTOR	1	
Q8045	B1ABCF000059	TRANSISTOR	1	
Q8047-49	2SC39310YL	TRANSISTOR	3	
Q8050	XP0460100L	TRANSISTOR	1	
Q8055	2SD18200WL	TRANSISTOR	1	
Q8056	2SB1219AHL	TRANSISTOR	1	
Q8750	2SB07660HL	TRANSISTOR	1	
Q8751,52	2SB1218-Q	TRANSISTOR	2	
Q8753	2SD0874ALL	TRANSISTOR	1	
Q8754	2SB07660HL	TRANSISTOR	1	
Q8800-02	2SB1218ALL	TRANSISTOR	3	
Q8803	2SD1819A-R	TRANSISTOR	1	
Q8804	2SB1218ALL	TRANSISTOR	1	
Q8805-07	2SD1819A-R	TRANSISTOR	3	
QR3301-03	UN9212J	TRANSISTOR	3	
QR4000	UNR511300L	TRANSISTOR	1	
QR4001,02	UNR521F00L	TRANSISTOR	2	
QR4003,04	UNR511300L	TRANSISTOR	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
QR4005,06	UNR521F00L	TRANSISTOR	2	
QR4007	UNR511300L	TRANSISTOR	1	
QR4008-10	UNR521300L	TRANSISTOR	3	
QR4100	UNR511300L	TRANSISTOR	1	
QR4101	UNR521300L	TRANSISTOR	1	
QR4102	UNR511300L	TRANSISTOR	1	
QR4103	UNR521300L	TRANSISTOR	1	
QR4104	UNR511300L	TRANSISTOR	1	
QR4105	UNR521300L	TRANSISTOR	1	
QR4106	UNR511300L	TRANSISTOR	1	
QR4107	UNR521300L	TRANSISTOR	1	
QR4400	UNR521300L	TRANSISTOR	1	
QR4401	UNR511300L	TRANSISTOR	1	
QR6201	UN5215	TRANSISTOR	1	
QR6300	UNR521300L	TRANSISTOR	1	
QR6301-04	UNR511500L	TRANSISTOR	4	
QR6400	UNR521100L	TRANSISTOR	1	
QR6401	UNR511100L	TRANSISTOR	1	
QR6402,03	UNR521100L	TRANSISTOR	2	
QR8700	UNR521300L	TRANSISTOR	1	
QR8702	UNR521300L	TRANSISTOR	1	
R3	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R9	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R10	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R12	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R15-18	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	4	
R20-22	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	3	
R50-53	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	4	
R3001-03	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	3	
R3004,05	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R3006	ERJ3RBD512	M.RESISTOR CH 1/16W 5.1K	1	
R3010	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R3011	ERJ3RBD683	M.RESISTOR CH 1/16W 68K	1	
R3012	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R3013	ERJ3RBD683	M.RESISTOR CH 1/16W 68K	1	
R3016,17	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R3018	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3019-22	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	4	
R3023	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3024,25	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	2	
R3026-29	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	4	
R3030,31	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3032,33	ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K	2	
R3036,37	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R3038	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R3039	ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K	1	
R3040	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R3041	ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K	1	
R3042	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R3043	ERJ3GEYJ274	M.RESISTOR CH 1/16W 270K	1	
R3044	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R3046	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R3048-50	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	3	
R3051-53	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	3	
R3057-59	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	3	
R3060	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R3061,62	ERJ3RBD271	M.RESISTOR CH 1/16W 270	2	
R3063-65	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	
R3066	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R3068	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R3070	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R3078-80	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	3	
R3081-83	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	3	
R3084-86	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	3	
R3087-89	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	3	
R3090-92	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	3	
R3094	ERJ3RBD331	M.RESISTOR CH 1/16W 330	1	
R3095	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3096	ERJ3RBD221	M.RESISTOR CH 1/16W 220	1	
R3097	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3098	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R3099	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3100	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3101	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R3102	ERJ3RBD622	M.RESISTOR CH 1/16W 6.2K	1	
R3103	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R3104	ERJ3RBD622	M.RESISTOR CH 1/16W 6.2K	1	
R3105	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R3109	ERJ3RED200	M.RESISTOR CH 1/16W 20	1	
R3110	ERJ3RBD681	M.RESISTOR CH 1/16W 680	1	
R3111	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R3112	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R3113	ERJ3RED200	M.RESISTOR CH 1/16W 20	1	
R3114	ERJ3RBD681	M.RESISTOR CH 1/16W 680	1	
R3115	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R3116	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R3117	ERJ3RED200	M.RESISTOR CH 1/16W 20	1	
R3118	ERJ3RBD681	M.RESISTOR CH 1/16W 680	1	
R3119	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R3120	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R3121	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R3122	ERJ3RBD162	M.RESISTOR CH 1/16W 1.6K	1	
R3123	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R3124	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R3125	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R3126	ERJ3RBD162	M.RESISTOR CH 1/16W 1.6K	1	
R3127	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R3128	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R3129	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R3130	ERJ3RBD162	M.RESISTOR CH 1/16W 1.6K	1	
R3131	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R3132	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R3135	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R3301	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R3302	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R3303	ERJ3RBD393	M.RESISTOR CH 1/16W 39K	1	
R3311	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R3312	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R3313	ERJ3RBD433	M.RESISTOR CH 1/16W 43K	1	
R3314,15	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R3316,17	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R3318	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3319,20	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	2	
R3321	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R3322	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3323	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R3324,25	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	2	
R3327	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	1	
R3330,31	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R3332	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3334	ERJ6RED750	M.RESISTOR CH 1/10W 75	1	
R3335	ERJ6RED620	M.RESISTOR CH 1/10W 62	1	
R3336	ERJ6RED750	M.RESISTOR CH 1/10W 75	1	
R3337	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R3338	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3339	ERJ6RED470	M.RESISTOR CH 1/10W 47	1	
R3340	ERJ3RBD362	M.RESISTOR CH 1/16W 3.6K	1	
R3341	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R3342	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R3343	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R3344	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R3345	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R3346	ERJ3GEYJ274	M.RESISTOR CH 1/16W 270K	1	
R3348	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R3349	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R3350	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R3351	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3352	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R3353	ERJ3RBD221	M.RESISTOR CH 1/16W 220	1	
R3355	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R3356	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3357	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R3358	ERJ3RBD221	M.RESISTOR CH 1/16W 220	1	
R3360	ERJ3RBD512	M.RESISTOR CH 1/16W 5.1K	1	
R3361	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R3362	ERJ3RBD162	M.RESISTOR CH 1/16W 1.6K	1	
R3363	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3364	ERJ3RBD911	M.RESISTOR CH 1/16W 910	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3367	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R3369	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3371	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3373	ERJ3GEYJ752	M.RESISTOR CH 1/16W 7.5K	1	
R3374	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R3375	ERJ3GEYJ224	M.RESISTOR CH 1/16W 220K	1	
R3376	ERJ3RBD621	M.RESISTOR CH 1/16W 620	1	
R3378	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R3382	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3383	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R3385	ERJ3GEYJ243	M.RESISTOR CH 1/16W 24K	1	
R3386-88	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R3401	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R3405-07	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R3408	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R3409	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3412	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R3413	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3414	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3415	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3416	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R3419	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R3420	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3422	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3423	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3424	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R3425	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3426,27	VLF1147A680	COIL	2	
R3428	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3430,31	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3432	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3433	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3434-37	D1H810140001	COMBI.R-R	4	
R3502	ERJ3RBD433	M.RESISTOR CH 1/16W 43K	1	
R3503	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R3505	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3507	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3601	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R3605	ERJ3RBD391	M.RESISTOR CH 1/16W 390	1	
R3606	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R3607	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3608	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R3609	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R3610	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R3611	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R3612	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3613	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3614-16	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R3617	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3619,20	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	2	
R3621	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R3622	ERJ3GEYJ162	M.RESISTOR CH 1/16W 1.6K	1	
R3623	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R3624	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3625,26	ERJ3GEYJ391	M.RESISTOR CH 1/16W 390	2	
R3627	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R3628	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R3629	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R3630	ERJ3RBD391	M.RESISTOR CH 1/16W 390	1	
R3631	ERJ3RBD302	M.RESISTOR CH 1/16W 3K	1	
R3632	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3636	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3639	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3701	ERJ3RBD221	M.RESISTOR CH 1/16W 220	1	
R3702	ERJ3RBD363	M.RESISTOR CH 1/16W 36K	1	
R3703	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3704	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R3707	ERJ3RBD681	M.RESISTOR CH 1/16W 680	1	
R3708	ERJ3RED200	M.RESISTOR CH 1/16W 20	1	
R3709	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1	
R3710	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R3711	ERJ3RBD471	M.RESISTOR CH 1/16W 470	1	
R3712	ERJ3RBD181	M.RESISTOR CH 1/16W 180	1	
R3713	ERJ3RED510	M.RESISTOR CH 1/16W 51	1	
R3714	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3715	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R3716	ERJ3RBD201	M.RESISTOR CH 1/16W 200	1	
R3717,18	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	2	
R3719	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R3720	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R3721	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1	
R3724,25	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3730	ERJ3RBD243	M.RESISTOR CH 1/16W 24K	1	
R4000	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R4001,02	ERJ14YJ682	M.RESISTOR CH 1/16W 6.8K	2	
R4003,04	ERJ6RBD223	M.RESISTOR CH 1/16W 22K	2	
R4005	ERJ3GEYJ911	M.RESISTOR CH 1/16W 910	1	
R4006	ERJ6GEYG392	M.RESISTOR CH 1/10W 3.9K	1	
R4007-10	ERJ14YJ682	M.RESISTOR CH 1/16W 6.8K	4	
R4011,12	ERJ6RBD223	M.RESISTOR CH 1/16W 22K	2	
R4013	ERJ3GEYJ911	M.RESISTOR CH 1/16W 910	1	
R4014	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R4015	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R4016	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4017	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R4018	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R4019	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R4020	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4021	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R4022,23	D1H84734A008	COMBI.R-R	2	
R4024,25	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R4026,27	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	2	
R4031	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R4032	ERJ3GEYJ334	M.RESISTOR CH 1/16W 330K	1	
R4033	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R4034	ERJ3GEYJ334	M.RESISTOR CH 1/16W 330K	1	
R4035	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R4036	ERJ3GEYJ334	M.RESISTOR CH 1/16W 330K	1	
R4100	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R4101	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4102	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R4103	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R4104	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R4105	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R4106	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1	
R4107	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	1	
R4108	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R4109	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R4110	ERJ3RBD511	M.RESISTOR CH 1/16W 510	1	
R4111	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R4112	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R4113	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R4114	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R4115,16	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R4117	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4118	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R4119	ERJ3GEYJ155	M.RESISTOR CH 1/16W 1.5M	1	
R4120	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R4121	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R4122	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4123	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R4124	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R4125	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R4126	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R4127	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R4128	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R4129	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1	
R4130	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	1	
R4131	ERJ3RBD511	M.RESISTOR CH 1/16W 510	1	
R4132	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R4133	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R4134	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R4135	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R4136,37	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R4138	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4139	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R4140	ERJ3GEYJ155	M.RESISTOR CH 1/16W 1.5M	1	
R4141	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R4153	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R4154	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R4159	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R4161	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4200,01	ERJ6RBD472	M.RESISTOR CH 1/10W 4.7K	2	
R4202	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R4203	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R4204	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R4206	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4207-09	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	3	
R4210	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R4211	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R4212	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R4213-16	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	4	
R4217	ERJ3RBD183	M.RESISTOR CH 1/16W 18K	1	
R4218-20	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	3	
R4221	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R4222	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R4223	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R4224-27	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	4	
R4228	ERJ3RBD183	M.RESISTOR CH 1/16W 18K	1	
R4229,30	ERJ6RBD472	M.RESISTOR CH 1/10W 4.7K	2	
R4231	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R4232	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R4233	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R4234	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R4235,36	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R4237,38	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	2	
R4264	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4300-02	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	3	
R4303	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R4304,05	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	
R4306	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R4307	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R4308	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4309	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R4310	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R4311	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R4312	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R4313	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R4314	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R4315	ERJ3GEYJ391	M.RESISTOR CH 1/16W 390	1	
R4317	ERJ6RBD183	M.RESISTOR CH 1/10W 18K	1	
R4318	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R4319	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R4320	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R4322	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R4323	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R4324	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R4325	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R4327	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4400,01	ERJ14YJ682	M.RESISTOR CH 1/4W 6.8K	2	
R4402	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R4403	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R4406	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R4407	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1	
R4408	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4409	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R4410	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R4411	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R4412	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R4415	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R4416	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1	
R4417	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4418	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R4419	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R4420	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R4424	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4425	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R4426	ERJ6GEYJ100	M.RESISTOR CH 1/10W 10	1	
R4427,28	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R4429-31	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	
R4432,33	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R6001	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R6002	ERJ3RBD823	M.RESISTOR CH 1/16W 82K	1	
R6003	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R6004,05	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R6007	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R6010	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R6015	D1H84734A008	COMBI.R-R	1	
R6016	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R6019	D1H84734A008	COMBI.R-R	1	
R6022	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6025	D1H84734A008	COMBI.R-R	1	
R6029	D1H84734A008	COMBI.R-R	1	
R6030	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R6031	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6033	D1H84734A008	COMBI.R-R	1	
R6034	ERJ3RBD823	M.RESISTOR CH 1/16W 82K	1	
R6035	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6036	D1H84734A008	COMBI.R-R	1	
R6038	ERJ3RBD473	M.RESISTOR CH 1/16W 47K	1	
R6039	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R6040	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6041	D1H84734A008	COMBI.R-R	1	
R6042	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R6044	EXB24V101J	COMBI.R-R 100	1	
R6045	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6046,47	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R6048	EXB24V473J	COMBI.R-R 47K	1	
R6049	EXB24V101J	COMBI.R-R 100	1	
R6050	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R6051	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6052,53	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R6054	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R6055	EXB24V103J	COMBI.R-R 10K	1	
R6056	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R6057,58	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R6059	EXB24V101J	COMBI.R-R 100	1	
R6060	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R6062	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R6063	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6064-68	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	5	
R6069	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R6070	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R6073,74	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R6079	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R6080	EXB24V101J	COMBI.R-R 100	1	
R6081-85	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	5	
R6086-88	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	
R6103	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R6104-09	D1H84734A008	COMBI.R-R	6	
R6110	EXB24V473J	COMBI.R-R 47K	1	
R6111	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6113	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6114	D1H84734A008	COMBI.R-R	1	
R6117	EXB24V473J	COMBI.R-R 47K	1	
R6118	D1H84734A008	COMBI.R-R	1	
R6200	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6202	D1H84734A008	COMBI.R-R	1	
R6203,04	EXBV8V102J	COMBI.R-R 2K	2	D1H810240001
R6205,06	D1H84734A008	COMBI.R-R	2	
R6209	D1H84734A008	COMBI.R-R	1	
R6210	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6212	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6213	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6300	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6301	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6302,03	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R6304	D1H84734A008	COMBI.R-R	1	
R6307-10	D1H84734A008	COMBI.R-R	4	
R6313,14	D1H84734A008	COMBI.R-R	2	
R6315,16	EXBV8V102J	COMBI.R-R 2K	2	D1H810240001
R6317-20	ERJ6GEYG121	M.RESISTOR CH 1/10W 120	4	
R6321,22	D1H84734A008	COMBI.R-R	2	
R6323	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6328	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R6329	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6400	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6401	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6405	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6406	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R6407-10	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	4	
R6411	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6412,13	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R6414-16	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R6417	D1H84734A008	COMBI.R-R	1	
R6500	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R6501-03	D1H84704A008	COMBI.R-R	3	
R6504	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6505-10	D1H84704A008	COMBI.R-R	6	
R6511	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6512	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R6513	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6516	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R6517-23	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	7	
R7001	ERJ3GEYJ334	M.RESISTOR CH 1/16W 330K	1	
R7002	ERJ3GEYJ224	M.RESISTOR CH 1/16W 220K	1	
R7003	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R7004	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	1	
R7005	ERJ3GEYJ334	M.RESISTOR CH 1/16W 330K	1	
R7006	ERJ3GEYJ224	M.RESISTOR CH 1/16W 220K	1	
R7088	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R7089	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R7090	ERJ3RBD751	M.RESISTOR CH 1/16W 750	1	
R7091	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R7092	ERJ3RBD121	M.RESISTOR CH 1/16W 120	1	
R7093	ERJ3RBD331	M.RESISTOR CH 1/16W 330	1	
R7094	ERJ3RED470	M.RESISTOR CH 1/16W 47	1	
R7095	ERJ3RBD181	M.RESISTOR CH 1/16W 180	1	
R7096	ERJ3RED470	M.RESISTOR CH 1/16W 47	1	
R7097	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R7098	ERJ3RED150	M.RESISTOR CH 1/16W 15	1	
R7099	D1H84734A008	COMBI.R-R	1	
R7100	L311J101J332	THERMO-SENSITIVE RESISTOR	1	
R7102	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R7103	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R7104,05	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R7106,07	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R7108	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R7109	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R7110	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R7111,12	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R7114-16	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	3	
R7117	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R7118	ERJ3GEYJ163	M.RESISTOR CH 1/16W 16K	1	
R7119	ERJ3GEYJ202	M.RESISTOR CH 1/16W 2K	1	
R7121	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R7123	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R7124	ERJ3GEYJ510	M.RESISTOR CH 1/16W 51	1	
R7125	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R7126	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R7127,28	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R7129	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R7130	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R7131	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R7132	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R7133	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R7134	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R7135	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R7136	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R7137	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R7138	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R7139	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	1	
R7140	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R7141,42	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	2	
R7143	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R7144	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R7145,46	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R7147	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R7148	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R7149	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R7150	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R7151,52	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	
R7153	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R7154	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R7155	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R7160	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R7161	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R7162	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R7163	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R7164	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R7165	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R7166	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R7167	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R7168	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R7169	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R7170	ERJ3GEYJ914	M.RESISTOR CH 1/16W 910K	1	
R7171	ERJ3RBD203	M.RESISTOR CH 1/16W 20K	1	
R7172	ERJ3RBD432	M.RESISTOR CH 1/16W 4.3K	1	
R7173	ERJ3RBD512	M.RESISTOR CH 1/16W 5.1K	1	
R7174	ERJ3RBD751	M.RESISTOR CH 1/16W 750	1	
R7175	ERJ3RBD683	M.RESISTOR CH 1/16W 68K	1	
R7176	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R7177	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R7178	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R7179,80	ERJ3RBD471	M.RESISTOR CH 1/16W 470	2	
R7181	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R7182	ERJ3RBD242	M.RESISTOR CH 1/16W 2.4K	1	
R7183	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R7184	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R7185	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R7186	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R7187	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R7188	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R7189	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R7190	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R7192	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R7197	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R7198	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R7200	L311J101J332	THERMO-SENSITIVE RESISTOR	1	
R7202	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R7203	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R7204,05	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R7206,07	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R7208	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R7209	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R7210	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R7211,12	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R7214-16	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	3	
R7217	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R7218	ERJ3GEYJ163	M.RESISTOR CH 1/16W 16K	1	
R7219	ERJ3GEYJ202	M.RESISTOR CH 1/16W 2K	1	
R7221	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R7223	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R7224	ERJ3GEYJ510	M.RESISTOR CH 1/16W 51	1	
R7225	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R7226	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R7227,28	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R7229	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R7230	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R7231	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R7232	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R7233	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R7234	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R7235	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R7236	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R7237	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R7238	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R7239	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	1	
R7240	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R7241,42	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	2	
R7243	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R7244	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R7245,46	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R7247	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R7248	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R7249	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R7250	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R7251,52	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	
R7253	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R7254	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R7255	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R7260	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R7261	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R7262	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R7263	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R7264	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R7265	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R7266	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R7267	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R7268	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R7269	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R7270	ERJ3GEYJ914	M.RESISTOR CH 1/16W 910K	1	
R7271	ERJ3RBD203	M.RESISTOR CH 1/16W 20K	1	
R7272	ERJ3RBD432	M.RESISTOR CH 1/16W 4.3K	1	
R7273	ERJ3RBD512	M.RESISTOR CH 1/16W 5.1K	1	
R7274	ERJ3RBD751	M.RESISTOR CH 1/16W 750	1	
R7275	ERJ3RBD683	M.RESISTOR CH 1/16W 68K	1	
R7276	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R7277	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R7278	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R7279,80	ERJ3RBD471	M.RESISTOR CH 1/16W 470	2	
R7281	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R7282	ERJ3RBD242	M.RESISTOR CH 1/16W 2.4K	1	
R7283	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R7284	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R7285	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R7286	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R7287	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R7288	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R7289	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R7290	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R7292	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R7297	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R7298	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R7300	L311J101J332	THERMO-SENSITIVE RESISTOR	1	
R7302	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R7303	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R7304,05	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R7306,07	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R7308	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R7309	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R7310	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R7311,12	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R7314-16	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	3	
R7317	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R7318	ERJ3GEYJ163	M.RESISTOR CH 1/16W 16K	1	
R7319	ERJ3GEYJ202	M.RESISTOR CH 1/16W 2K	1	
R7321	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R7323	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R7324	ERJ3GEYJ510	M.RESISTOR CH 1/16W 51	1	
R7325	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R7326	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R7327,28	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R7329	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R7330	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R7331	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R7332	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R7333	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R7334	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R7335	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R7336	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R7337	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R7338	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R7339	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	1	
R7340	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R7341,42	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	2	
R7343	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R7344	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R7345,46	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R7347	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R7348	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R7349	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R7350	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R7351,52	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	
R7353	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R7354	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R7355	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R7360	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R7361	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R7362	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R7363	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R7364	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R7365	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R7366	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R7367	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R7368	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R7369	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R7370	ERJ3GEYJ914	M.RESISTOR CH 1/16W 910K	1	
R7371	ERJ3RBD203	M.RESISTOR CH 1/16W 20K	1	
R7372	ERJ3RBD432	M.RESISTOR CH 1/16W 4.3K	1	
R7373	ERJ3RBD512	M.RESISTOR CH 1/16W 5.1K	1	
R7374	ERJ3RBD751	M.RESISTOR CH 1/16W 750	1	
R7375	ERJ3RBD683	M.RESISTOR CH 1/16W 68K	1	
R7376	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R7377	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R7378	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R7379,80	ERJ3RBD471	M.RESISTOR CH 1/16W 470	2	
R7381	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R7382	ERJ3RBD242	M.RESISTOR CH 1/16W 2.4K	1	
R7383	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R7384	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R7385	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R7386	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R7387	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R7388	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R7389	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R7390	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R7392	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R7397	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R7398	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R7501,02	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R7503	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R7504	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R7506	ERJ3RBD104	M.RESISTOR CH 1/16W 100K	1	
R7507	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R7508	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R7509	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R7511	ERJ3RBD104	M.RESISTOR CH 1/16W 100K	1	
R7512	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R7513	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R7514	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R7516	ERJ3RBD104	M.RESISTOR CH 1/16W 100K	1	
R7517,18	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R7519	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R7520	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R7521	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R7522	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R7523	ERJ3RBD104	M.RESISTOR CH 1/16W 100K	1	
R7524	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R7525	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R7526	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R7527	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R7528	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R7529	ERJ3RBD104	M.RESISTOR CH 1/16W 100K	1	
R7530	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R7531	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R7532	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R7533	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R7534	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R7535	ERJ3RBD104	M.RESISTOR CH 1/16W 100K	1	
R8001	EXB24V473J	COMBI.R-R 47K	1	
R8002	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1	
R8007	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R8010	D1H84734A008	COMBI.R-R	1	
R8017	ERJ3RBD432	M.RESISTOR CH 1/16W 4.3K	1	
R8018	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R8049	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R8050	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R8051,52	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R8053	EXB24V101J	COMBI1R-R 100	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R8055	D1H810140001	COMBI.R-R	1	
R8059	ERJ3RBD433	M.RESISTOR CH 1/16W 43K	1	
R8060	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R8061	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R8062	ERJ3GEYJ433	M.RESISTOR CH 1/16W 43K	1	
R8063,64	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R8065	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R8066	ERJ3GEYJ202	M.RESISTOR CH 1/16W 2K	1	
R8067	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R8096	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R8097	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R8098	ERJ3GEYJ512	M.RESISTOR CH 1/16W 5.1K	1	
R8099	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R8100,01	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R8104	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R8106	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R8111	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R8112,13	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R8121	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R8123	ERJ3RBD203	M.RESISTOR CH 1/16W 20K	1	
R8124	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R8125	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R8131	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R8132	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R8134,35	ERJ3GEYJ225	M.RESISTOR CH 1/16W 2.2M	2	
R8138	ERJ3GEYJ623	M.RESISTOR CH 1/16W 62K	1	
R8139	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	1	
R8152	ERJ3RBD431	M.RESISTOR CH 1/16W 430	1	
R8182	ERJ3GEYJ750	M.RESISTOR CH 1/16W 75	1	
R8183	ERJ3GEYJ752	M.RESISTOR CH 1/16W 7.5K	1	
R8184	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R8186	ERJ3GEYJ684	M.RESISTOR CH 1/16W 680K	1	
R8187	ERJ3GEYJ202	M.RESISTOR CH 1/16W 2K	1	
R8188	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R8189	ERJ3GEYJ202	M.RESISTOR CH 1/16W 2K	1	
R8190	ERJ3GEYJ181	M.RESISTOR CH 1/16W 180	1	
R8191	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R8192	ERJ3GEYJ912	M.RESISTOR CH 1/16W 9.1K	1	
R8193	ERJ3GEYJ560	M.RESISTOR CH 1/16W 56	1	
R8194,95	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R8196	ERJ3GEYJ512	M.RESISTOR CH 1/16W 5.1K	1	
R8197,98	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	2	
R8199	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R8201,02	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R8203	ERJ3GEYJ303	M.RESISTOR CH 1/16W 30K	1	
R8204	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R8206	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R8223,24	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	2	
R8225	ERJ3GEYJ202	M.RESISTOR CH 1/16W 2K	1	
R8227	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R8232	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R8233	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R8235	ERJ3GEYJ362	M.RESISTOR CH 1/16W 3.6K	1	
R8248	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R8249	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R8250	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R8251	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R8252	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R8253	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R8254	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R8255	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R8256	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R8259	ERJ3RBD511	M.RESISTOR CH 1/16W 510	1	
R8263	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R8264	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R8265	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R8266	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R8267	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R8268	ERJ3RBD911	M.RESISTOR CH 1/16W 90	1	
R8269	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R8270-73	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	4	
R8276	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R8277	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	1	
R8281	ERJ3GEYJ271	M.RESISTOR CH 1/16W 270	1	
R8291	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R8299	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R8301	ERJ3RBD201	M.RESISTOR CH 1/16W 200	1	
R8305	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	1	
R8307	ERJ3RBD271	M.RESISTOR CH 1/16W 270	1	
R8308	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R8309	D1H84734A008	COMBI.R-R	1	
R8313	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R8319	ERJ3GEYJ225	M.RESISTOR CH 1/16W 2.2M	1	
R8320	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R8321	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R8401	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R8402	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R8403	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R8406	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R8410	ERJ3GEYJ564	M.RESISTOR CH 1/16W 560K	1	
R8423	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R8427	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R8434,35	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R8438	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R8440	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R8442	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R8445	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R8446	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R8447	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R8448	ERJ3RBD362	M.RESISTOR CH 1/16W 3.6K	1	
R8449	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R8450	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R8451	L311J332G502	THERMO SENSING RESISTOR	1	D4B332500001
R8452	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R8453	ERJ3GEYJ303	M.RESISTOR CH 1/16W 30K	1	
R8454	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	1	
R8455	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R8456	ERJ3GEYJ303	M.RESISTOR CH 1/16W 30K	1	
R8457	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	1	
R8459	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R8460	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R8550-53	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R8605	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R8607-11	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	5	
R8650	ERJ3GEYJ181	M.RESISTOR CH 1/16W 180	1	
R8651	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R8652	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R8653	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1	
R8654	ERJ3GEYJ162	M.RESISTOR CH 1/16W 1.6K	1	
R8655	ERJ3GEYJ132	M.RESISTOR CH 1/16W 1.3K	1	
R8656	ERJ3GEYJ363	M.RESISTOR CH 1/16W 36K	1	
R8660	ERJ3RBD113	M.RESISTOR CH 1/16W 11K	1	
R8661	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R8662	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R8663,64	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R8700,01	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R8702	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R8703	EXB24V473J	COMBI.R-R 47K	1	
R8704	ERJ3RBD242	M.RESISTOR CH 1/16W 2.4K	1	
R8708	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R8709	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R8711	D1H84734A008	COMBI.R-R	1	
R8712	ERJ3GEYJ303	M.RESISTOR CH 1/16W 30K	1	
R8713	EXB24V101J	COMBI.R-R 100	1	
R8714,15	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R8716,17	EXB24V101J	COMBI.R-R 100	2	
R8718	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R8719	EXB24V101J	COMBI.R-R 100	1	
R8750-53	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	4	
R8755	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R8756	ERJ3RBD392	COMBI.R-R 3.9K	1	
R8757	ERJ3RBD223	COMBI.R-R 22K	1	
R8758	ERJ3RBD333	COMBI.R-R 33K	1	
R8759-61	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R8762	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R8763,64	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R8766	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1	
R8767	ERJ3RBD393	M.RESISTOR CH 1/16W 39K	1	
R8768	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R8769,70	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R8771	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R8772	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R8773	ERJ3RBD391	M.RESISTOR CH 1/16W 390	1	
R8774	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R8775,76	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	2	
R8777,78	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R8779	EXB24V473J	COMBI.R-R 47K	1	
R8784	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R8785	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R8786	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R8790	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R8800	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R8801-03	ERJ3RED750	M.RESISTOR CH 1/16W 75	3	
R8804-06	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	3	
R8807	ERJ3RBD113	M.RESISTOR CH 1/16W 11K	1	
R8808	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R8810	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R8811	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R8813	ERJ3RBD201	M.RESISTOR CH 1/16W 200	1	
R8814	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R8815	ERJ3GEYJ302	M.RESISTOR CH 1/16W 3K	1	
R8816	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R8817	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R8818	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R8819	ERJ3RBD201	M.RESISTOR CH 1/16W 200	1	
R8820	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R8821	ERJ3GEYJ302	M.RESISTOR CH 1/16W 3K	1	
R8822	ERJ3RBD201	M.RESISTOR CH 1/16W 200	1	
R8823	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R8824	ERJ3GEYJ302	M.RESISTOR CH 1/16W 3K	1	
R8825	ERJ3RBD243	M.RESISTOR CH 1/16W 24K	1	
R8826	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R8827	ERJ3RBD362	M.RESISTOR CH 1/16W 3.6K	1	
R8828	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R8829	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
RY4000,01	K6B2CDB00010	RELAY	2	
SW6300	VSS0367-04TB	SWITCH	1	
TG3001	EYF6CU	TEST POINT	1	
TG3701	EYF6CU	TEST POINT	1	
TG4201	EYF6CU	TEST POINT	1	
TG7001	EYF6CU	TEST POINT	1	
TP1	EYF6CU	TEST POINT	1	
TP3001-03	EYF6CU	TEST POINT	3	
TP3303-06	EYF6CU	TEST POINT	4	
TP3413-15	EYF6CU	TEST POINT	3	
TP3603	EYF6CU	TEST POINT	1	
TP3701	EYF6CU	TEST POINT	1	
TP4100,01	EYF6CU	TEST POINT	2	
TP4300-02	EYF6CU	TEST POINT	3	
TP6100	EYF6CU	TEST POINT	1	
TP7101	EYF6CU	TEST POINT	1	
TP7201	EYF6CU	TEST POINT	1	
TP7301	EYF6CU	TEST POINT	1	
TP8001	EYF6CU	TEST POINT	1	
VC6100	VCV0047	TRIMMER	1	
VR3001,02	EVM7JGA00B52	V.RESISTOR 500	2	
VR3003-05	EVM7JGA00B13	V.RESISTOR 1K	3	
VR3701	EVM7JGA00B52	V.RESISTOR 500	1	
VR4300	EVM7JGA00B14	V.RESISTOR 10K	1	
VR4301	EVM7JGA00B54	V.RESISTOR 50K	1	
VR4400,01	EVM7JGA00B14	V.RESISTOR 10K	2	
VR8283	EVM7JGA00B14	V.RESISTOR 10K	1	
X3401	VSX0847	CRYSTAL OSCILLATOR	1	H0J270500019
X6100	VSX0602	CRYSTAL OSCILLATOR	1	H0J327200050
X6500	H0J122500008	CRYSTAL OSCILLATOR	1	
X8001	H0J120500005	CRYSTAL OSCILLATOR	1	
X8002,03	H0J286500009	CRYSTAL OSCILLATOR	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
		MISCELLANEOUS		
	VMS6507	P.C.BOARD POST	2	K9ZZ00000592
	XYN26+K6	SCREW	4	
	C3FBEZ000002	MICRO COMPUTER	1	
■ E2	VEP82241C	RF & SERVO P.C.BOARD	1	(RTL)
■	VEP85200A	REC/HEAD AMP P.C.BOARD	1	(RTL)FOR VEP82241C
C1-C6	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	6	FOR VEP85200A
C7-C9	ECST1CC336Z	T.CAPACITOR CH 16V 33U	3	FOR VEP85200A
C10	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	FOR VEP85200A
C11,12	ECST1CX106Z	T.CAPACITOR CH 16V 10U	2	FOR VEP85200A
C13-18	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	6	FOR VEP85200A
C21-24	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	FOR VEP85200A
C26,27	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	FOR VEP85200A
C28,29	ECST1AC336Z	T.CAPACITOR CH 10V 33U	2	FOR VEP85200A
C30,31	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	FOR VEP85200A
C33	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	FOR VEP85200A
C100	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C101	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	FOR VEP85200A
C101	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C102	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	FOR VEP85200A
C102	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C103	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	FOR VEP85200A
C103	ECUX1H104KBV	C.CAPACITOR CH 50V 0.1U	1	
C104	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	FOR VEP85200A
C104	ECUX1H104KBV	C.CAPACITOR CH 50V 0.1U	1	
C105	ECUX1C334KBN	C.CAPACITOR CH 16V 0.33U	1	
C106	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	FOR VEP85200A
C106	ECUX1H104KBV	C.CAPACITOR CH 50V 0.1U	1	
C107,08	ECUX1H150JCV	C.CAPACITOR CH 50V 15P	2	
C110	ECUX1H104KBV	C.CAPACITOR CH 50V 0.1U	1	
C110	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	1	FOR VEP85200A
C111	ECUX1H104KBV	C.CAPACITOR CH 50V 0.1U	1	
C111	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	1	FOR VEP85200A
C112	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	FOR VEP85200A
C113	ECUX1H104KBV	C.CAPACITOR CH 50V 0.1U	1	
C114	ECUX1H270JCV	C.CAPACITOR CH 50V 27P	1	FOR VEP85200A
C115	ECUX1H080DCV	C.CAPACITOR CH 50V 8P	1	FOR VEP85200A
C115	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C116	ECUX1H080DCV	C.CAPACITOR CH 50V 8P	1	FOR VEP85200A
C116	ECUX1H104KBV	C.CAPACITOR CH 50V 0.1U	1	
C117,18	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C118	ECUX1H270JCV	C.CAPACITOR CH 50V 27P	1	FOR VEP85200A
C119	ECUX1H080DCV	C.CAPACITOR CH 50V 8P	1	FOR VEP85200A
C119	ECUX1H332KBV	C.CAPACITOR CH 50V 3300P	1	
C120	ECUX1H080DCV	C.CAPACITOR CH 50V 8P	1	FOR VEP85200A
C120	ECUX1H332KBV	C.CAPACITOR CH 50V 3300P	1	
C121	ECUX1H104KBV	C.CAPACITOR CH 50V 0.1U	1	
C122	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C125	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C126	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C127-29	ECUX1H104KBV	C.CAPACITOR CH 50V 0.1U	3	
C200,01	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C202	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	FOR VEP85200A
C203,04	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	2	
C205	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	1	
C206	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C206	F1J0J475A006	C.CAPACITOR CH6.3V 1U	1	FOR VEP85200A
C207	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	1	
C207	F1J0J475A006	C.CAPACITOR CH6.3V 1U	1	FOR VEP85200A
C208,09	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C210	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	
C211	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	FOR VEP85200A
C211	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C212	ECUX1H121JCV	C.CAPACITOR CH 50V 120P	1	FOR VEP85200A
C212	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C213	ECUX1H104KBV	C.CAPACITOR CH 50V 0.1U	1	
C213	ECUX1H121JCV	C.CAPACITOR CH 50V 120P	1	FOR VEP85200A

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C214,15	ECUX1C333KBV	C.CAPACITOR CH 16V 0.033U	2	
C215	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	FOR VEP85200A
C216	ECUX1H332KBV	C.CAPACITOR CH 50V 3300P	1	
C217	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	
C217	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	FOR VEP85200A
C218,02	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	FOR VEP85200A
C219	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C220	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	FOR VEP85200A
C220	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C221	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	FOR VEP85200A
C221	ECUX1H332KBV	C.CAPACITOR CH 50V 3300P	1	
C222	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	
C222	ECUX1H104KBV	C.CAPACITOR CH 50V 0.1U	1	FOR VEP85200A
C223	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	FOR VEP85200A
C223-25	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	3	
C226	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	FOR VEP85200A
C226	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C227	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	FOR VEP85200A
C227	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C228	ECUX1H104KBV	C.CAPACITOR CH 50V 0.1U	1	
C229	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	FOR VEP85200A
C229,30	ECUX1C333KBV	C.CAPACITOR CH 16V 0.033U	2	
C230	ECUX1H104KBV	C.CAPACITOR CH 50V 0.1U	1	FOR VEP85200A
C231	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	FOR VEP85200A
C231	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C232	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	FOR VEP85200A
C232	ECUX1H104KBV	C.CAPACITOR CH 50V 0.1U	1	
C233	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	FOR VEP85200A
C233	ECUX1H104KBV	C.CAPACITOR CH 50V 0.1U	1	
C234	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	FOR VEP85200A
C234-37	ECUX1H104KBV	C.CAPACITOR CH 50V 0.1U	4	
C238-40	EEVHB1E330P	E.CAPACITOR 25V 33U	3	
C242	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C300,01	EEVHB1H3R3	E.CAPACITOR 50V 3.3U	2	
C301	F1J0J475A006	C.CAPACITOR CH6.3V 1U	1	FOR VEP85200A
C302	ECUX1H104KBV	C.CAPACITOR CH 50V 0.1U	1	
C302	F1J0J475A006	C.CAPACITOR CH6.3V 1U	1	FOR VEP85200A
C303	ECUX1H104KBV	C.CAPACITOR CH 50V 0.1U	1	
C303	F1J0J475A006	C.CAPACITOR CH6.3V 1U	1	FOR VEP85200A
C304	ECUX1C333KBV	C.CAPACITOR CH 16V 0.033U	1	
C304	F1J0J475A006	C.CAPACITOR CH6.3V 1U	1	FOR VEP85200A
C305	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	
C305	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	FOR VEP85200A
C306	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	FOR VEP85200A
C306	ECUX1C333KBV	C.CAPACITOR CH 16V 0.033U	1	
C307	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	
C307	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	FOR VEP85200A
C308	ECUX1H104KBV	C.CAPACITOR CH 50V 0.1U	1	FOR VEP85200A
C308	EEVHB1E4R7	E.CAPACITOR 25V 4.7U	1	
C309	ECUX1H104KBV	C.CAPACITOR CH 50V 0.1U	1	FOR VEP85200A
C309	EEVHB1E4R7	E.CAPACITOR 25V 4.7U	1	
C310	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	FOR VEP85200A
C310,11	ECUX1H104KBV	C.CAPACITOR CH 50V 0.1U	2	
C311	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	FOR VEP85200A
C312	ECUX1H104KBV	C.CAPACITOR CH 50V 0.1U	1	
C312	ECUX1H681JCV	C.CAPACITOR CH 50V 680P	1	FOR VEP85200A
C313	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	FOR VEP85200A
C313	ECUX1H104KBV	C.CAPACITOR CH 50V 0.1U	1	
C314	ECUX1C333KBV	C.CAPACITOR CH 16V 0.033U	1	
C314	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	FOR VEP85200A
C315	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	
C316	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	FOR VEP85200A
C316	EEVHB1E4R7	E.CAPACITOR 25V 4.7U	1	
C317	ECUX1C333KBV	C.CAPACITOR CH 16V 0.033U	1	
C317	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	FOR VEP85200A
C318	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	
C318	ECUX1H104KBV	C.CAPACITOR CH 50V 0.1U	1	FOR VEP85200A
C319	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	FOR VEP85200A
C319-21	EEVHB1E4R7	E.CAPACITOR 25V 4.7U	3	
C322-24	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	3	
C324	ECUX1H104KBV	C.CAPACITOR CH 50V 0.1U	1	FOR VEP85200A
C325,26	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C327	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	FOR VEP85200A
C327	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C328	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	FOR VEP85200A

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C328,29	ECUX1H104KBV	C.CAPACITOR CH 50V 0.1U	2	
C330,31	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	2	
C400,01	EEVHB1H3R3	E.CAPACITOR 50V 3.3U	2	
C402-05	F1K0J1060002	C.CAPACITOR CH6.3V 10U	4	
C406-09	ECUX1H102JV	C.CAPACITOR CH 50V 1000P	4	
C410	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C411	EEVHB1H3R3	E.CAPACITOR 50V 3.3U	1	
C412	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C413-16	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	4	
C417	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C418-20	ECUX1H104KBV	C.CAPACITOR CH 50V 0.1U	3	
C421	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C422	EEVHB1H3R3	E.CAPACITOR 50V 3.3U	1	
C423	EEVHB1E330P	E.CAPACITOR 25V 33U	1	
C424	ECUX1H104KBV	C.CAPACITOR CH 50V 0.1U	1	
C425,26	EEVHB0J330	E.CAPACITOR 6.3V 33U	2	
C600	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C602	EEVHB1E330P	E.CAPACITOR 25V 33U	1	
C603-05	ECUX1H104KBV	C.CAPACITOR CH 50V 0.1U	3	
C606	EEUFC1E101S	E.CAPACITOR 25V 100P	1	
C700	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	
C702-16	ECUX1H104KBV	C.CAPACITOR CH 50V 0.1U	15	
C800-03	VCE0180	E.CAPACITOR	4	F2G1E1010003
C804	ECUX1H104KBV	C.CAPACITOR CH 50V 0.1U	1	
C805-08	VCE0180	E.CAPACITOR	4	F2G1E1010003
C809	VCC0037F432	C.CAPACITOR 432P	1	
C810	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C811	ECUX1H104KBV	C.CAPACITOR CH 50V 0.1U	1	
C812	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C813	ECUX1H104KBV	C.CAPACITOR CH 50V 0.1U	1	
C814	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	
C900,01	ECUX1H104KBV	C.CAPACITOR CH 50V 0.1U	2	
C902,03	ECA12HG472L	E.CAPACITOR 4700U	2	
C950	ECUX1H122KBV	C.CAPACITOR CH 50V 1200P	1	
C951	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C952	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C953	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C954	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	
C955,56	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C957	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C958	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C959,60	EEVHB1C220	E.CAPACITOR 16V 22U	2	
D100,01	MA142K-G	DIODE	2	FOR VEP85200A
D200	MA142WK-G	DIODE	1	
D201	MA143-G	DIODE	1	
D201	MA3S132E0L	DIODE	1	FOR VEP85200A
D202	MA142WK-G	DIODE	1	
D202	MA3S132E0L	DIODE	1	FOR VEP85200A
D203	MA143-G	DIODE	1	
D204	MA3S132E0L	DIODE	1	FOR VEP85200A
D300,01	MA142WK-G	DIODE	2	
D400-03	MA143-G	DIODE	4	
D404,05	MA2Q73600L	DIODE	2	
D600-02	MA142WK-G	DIODE	3	
D603	MA143-G	DIODE	1	
D604	MA3056-M	DIODE	1	MAZ30560ML
D605	MA3051-M	DIODE	1	MAZ30510ML
D606	MA2Q73800L	DIODE	1	
D607	MA142WK-G	DIODE	1	
D700-02	MA142WK-G	DIODE	3	
D703,04	MAZ80470HL	DIODE	2	
D705	MAZ80620HL	DIODE	1	
D706,07	MAZ30430ML	DIODE	2	
D708	MA3051-M	DIODE	1	MAZ30510ML
D709-20	EC15QS04	DIODE	12	
D800-03	MA2J72800L	DIODE	4	
D804-07	MA2Q73600L	DIODE	4	
D900	MA8051-H	DIODE	1	MAZ80510HL
D901	NSQ03A04	DIODE	1	B0JCPE000013
D950	MA143-G	DIODE	1	
D951,52	MA147-G	DIODE	2	
FL1,L2	J0HAAC000013	FILTER	2	FOR VEP85200A

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC1	XC62FP3002P	IC	1	FOR VEP85200A
IC2	C0CBADD00003	IC	1	FOR VEP85200A
IC3	C0CBBDB00004	IC	1	FOR VEP85200A
IC5	TLCX86FT	IC	1	FOR VEP85200A
IC6	C0JBAF000224	IC	1	FOR VEP85200A
IC9	C0JBAZ000851	IC	1	FOR VEP85200A
IC100	C0JBAZ000608	IC	1	
IC101	C0CBABD00005	IC	1	
IC101	S80715ANDC	IC	1	FOR VEP85200A
IC102	C0JBAB000180	IC	1	FOR VEP85200A
IC102	C0JBAF000184	IC	1	
IC103	C0JBAA000117	VHC	1	FOR VEP85200A
IC103	C0JBAF000184	IC	1	
IC104	TC7SH14FU	IC	1	FOR VEP85200A
IC104	TVHC86FT	IC	1	
IC105	S80829ANUP	IC	1	
IC106	C0JBAZ000529	IC	1	
IC107	MN1030F04K	IC	1	
IC200	C0CBADD00003	IC	1	
IC201	C0BBBA000030	IC	1	
IC201	TC7SH04FU	IC	1	FOR VEP85200A
IC202	C0ABCA000038	IC	1	
IC202	C0JBAA000117	VHC	1	
IC203	C0ABCA000038	IC	1	
IC204	AN3890FBS	IC	1	
IC204	TC7W32FU	IC	1	
IC205	C0ABEB000035	IC	1	FOR VEP85200A
IC205	C0BBCA000021	IC	1	
IC206	C0JBAZ000608	IC	1	
IC206	T4069UBFT	IC	1	FOR VEP85200A
IC207	AN3890FBS	IC	1	
IC208,09	B1HFPCE00001	IC	2	
IC300	C0ABCA000038	IC	1	
IC301	AN3841SR	IC	1	
IC301	C0JBAB000200	IC	1	FOR VEP85200A
IC302	AN3732FHQ	IC	1	FOR VEP85200A
IC302	AN3841SR	IC	1	
IC400	C0ABCA000038	IC	1	
IC401	UPC4558G2	IC	1	C0ABBB000131
IC402	C0ABCA000038	IC	1	
IC403	C0BBCA000021	IC	1	
IC404	UPC4558G2	IC	1	C0ABBB000131
IC602	C0GBM0000003	IC	1	
IC700	TC4538BF	IC	1	
IC701-03	C0GBM0000003	IC	3	
IC800	TL1451CNS	IC	1	C0DBAMA00001
IC900	C0ABBA000071	IC	1	
IC950	C0ABBB000130	IC	1	
ID107	VVVSI3695	SOFTWARE	1	
J1	VJR1094	TERMINAL	1	
J501,02	VJR1094	TERMINAL	2	
L1	VLQ0319K220	COIL 22UH	1	FOR VEP85200A
L2,L3	VLQ0319K101	COIL 100UH	2	FOR VEP85200A
L101-04	VLQ0426J2R2	COIL 2.2UH	4	FOR VEP85200A
L201,02	VLQ0163J330	COIL 33UH	2	FOR VEP85200A
L301	VLQ0319K330	COIL 33UH	1	FOR VEP85200A
L302	VLQ0319K100	COIL 10UH	1	FOR VEP85200A
L600	VLQ0319K101	COIL 100UH	1	G1C101K00022
L800-03	VLQ0650M151	COIL 150UH	4	G1C151MA0016
L950	VLQ0319K101	COIL 100UH	1	G1C101K00022
P1	VJS3899D013	CONNECTOR (FEMALE)	1	FOR VEP85200A
P2	VJS3826C024	CONNECTOR (FEMALE)	1	FOR VEP85200A
P500	VJP3172D003	CONNECTOR (MALE)	1	K1KA03B00006
P501	VJP3172D002	CONNECTOR (MALE)	1	K1KA02B00051
P502	VJP3172D004	CONNECTOR (MALE)	1	K1KA04B00007
P503	VJP3172D002	CONNECTOR (MALE)	1	K1KA02B00051
P504	VJP3172D003	CONNECTOR (MALE)	1	K1KA03B00006
P505	K1KA02B00075	CONNECTOR (MALE)	1	
P506	VJP3172D003	CONNECTOR (MALE)	1	K1KA03B00006
P507	K1MN10B00052	CONNECTOR (FEMALE)	1	
P508	K1KA02B00075	CONNECTOR (MALE)	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
P509	VJP3172D002	CONNECTOR (MALE)	1	K1KA02B00051
P510	K1KA03B00102	CONNECTOR (MALE)	1	
P511	K1KA02B00075	CONNECTOR (MALE)	1	
P512	VJP3172D004	CONNECTOR (MALE)	1	K1KA04B00007
P513	K1MN15B00033	CONNECTOR (FEMALE)	1	
P514,15	VJS3813C017	CONNECTOR (FEMALE)	2	K1MN17B00012
P516	K1MN19B00007	CONNECTOR (FEMALE)	1	
P517	VJP1235T	CONNECTOR (MALE) 8P	1	
P518	VJP3125B002	CONNECTOR (MALE)	1	K1KA02B00111
P520	K1MN20A00036	CONNECTOR (FEMALE)	1	
P521	VJS3801D040	CONNECTOR (FEMALE)	1	K1MN40B00010
P522	VJS3801D024	CONNECTOR (FEMALE)	1	
Q2	2SB1114T2ZKL	TRANSISTOR	1	FOR VEP85200A
Q3	2SD1280-ST	TRANSISTOR	1	FOR VEP85200A
Q4	2SB1218ALL	TRANSISTOR	1	FOR VEP85200A
Q101,02	2SB0709ALL	TRANSISTOR	2	FOR VEP85200A
Q103-06	2SC3735B35	TRANSISTOR	4	FOR VEP85200A
Q200	2SD1819ALL	TRANSISTOR	1	
Q201	2SA15320XL	TRANSISTOR	1	FOR VEP85200A
Q201	2SD1819ALL	TRANSISTOR	1	
Q202	2SA15320XL	TRANSISTOR	1	FOR VEP85200A
Q202	2SD1819ALL	TRANSISTOR	1	
Q203	2SC3930	TRANSISTOR	1	FOR VEP85200A
Q203	2SD1819ALL	TRANSISTOR	1	
Q204	2SC3930	TRANSISTOR	1	FOR VEP85200A
Q205	2SA15320XL	TRANSISTOR	1	FOR VEP85200A
Q206	2SC2954	TRANSISTOR	1	FOR VEP85200A
Q207	2SA15320XL	TRANSISTOR	1	FOR VEP85200A
Q208,09	XN0150400L	TRANSISTOR	2	FOR VEP85200A
Q211	2SC2954	TRANSISTOR	1	FOR VEP85200A
Q212,13	XN0150400L	TRANSISTOR	2	FOR VEP85200A
Q216	2SC2954	TRANSISTOR	1	FOR VEP85200A
Q303,04	2SC3930	TRANSISTOR	2	FOR VEP85200A
Q308,09	2SC3930	TRANSISTOR	2	FOR VEP85200A
Q400	2SB1219ALL	TRANSISTOR	1	
Q600	2SD1819ALL	TRANSISTOR	1	
Q601	2SD1624-S	TRANSISTOR	1	
Q602	2SB10730LL	TRANSISTOR	1	
Q603	2SD1819ALL	TRANSISTOR	1	
Q700-02	2SD06010RL	TRANSISTOR	3	
Q703-05	2SB10730LL	TRANSISTOR	3	
Q800-03	2SB10730LL	TRANSISTOR	4	
Q900	2SB936A-P	TRANSISTOR	1	2SB0936APL
Q901	2SD1819ALL	TRANSISTOR	1	
Q950	2SD0601ARL	TRANSISTOR	1	
Q951,52	2SB0709ARL	TRANSISTOR	2	
Q953	2SD0601ARL	TRANSISTOR	1	
Q954	2SB0709ARL	TRANSISTOR	1	
Q955	2SD0601ARL	TRANSISTOR	1	
QR2,R3	UNR521300L	TRANSISTOR	2	FOR VEP85200A
QR100-02	UNR521300L	TRANSISTOR-RESISTOR	3	FOR VEP85200A
QR200,01	UNR521300L	TRANSISTOR-RESISTOR	2	
QR600	UNR521400L	TRANSISTOR-RESISTOR	1	
QR601	UNR511400L	TRANSISTOR-RESISTOR	1	
QR602	UNR521400L	TRANSISTOR-RESISTOR	1	
QR603	UNR511400L	TRANSISTOR-RESISTOR	1	
QR604,05	UNR521400L	TRANSISTOR-RESISTOR	2	
QR700	UNR521300L	TRANSISTOR-RESISTOR	1	
QR701-06	UNR521400L	TRANSISTOR-RESISTOR	6	
QR707-12	UNR511400L	TRANSISTOR-RESISTOR	6	
QR713-18	UNR521300L	TRANSISTOR-RESISTOR	6	
QR719-21	UNR521400L	TRANSISTOR-RESISTOR	3	
QR950,51	UNR521300L	TRANSISTOR-RESISTOR	2	
QR952	UNR511300L	TRANSISTOR-RESISTOR	1	
QR953	UN5215	TRANSISTOR-RESISTOR	1	
QR954	UNR511500L	TRANSISTOR-RESISTOR	1	
R1,R2	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	FOR VEP85200A
R3	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	FOR VEP85200A
R5,R6	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	FOR VEP85200A
R8	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	FOR VEP85200A
R9	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	FOR VEP85200A
R10	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	FOR VEP85200A

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R12	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP85200A
R13	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	FOR VEP85200A
R16,17	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	FOR VEP85200A
R19	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP85200A
R21	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	FOR VEP85200A
R23	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	FOR VEP85200A
R24	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP85200A
R26	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP85200A
R28	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP85200A
R29	ERJ3GEYJ820	M.RESISTOR CH 1/16W 82	1	FOR VEP85200A
R30-32	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	FOR VEP85200A
R34-37	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	FOR VEP85200A
R39	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP85200A
R40	ERJ6GEYJ000	M.RESISTOR 1/10W 0	1	
R100	D1H810140001	COMBI.R-R	1	
R101	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	FOR VEP85200A
R101	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R102	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	FOR VEP85200A
R102	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R103	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	FOR VEP85200A
R103	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R104	D1H810140001	COMBI.R-R	1	
R104	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	FOR VEP85200A
R105	D1H810140001	COMBI.R-R	1	
R105	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	FOR VEP85200A
R106	D1H810140001	COMBI.R-R	1	
R106	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	FOR VEP85200A
R107	D1H810140001	COMBI.R-R	1	
R107	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	FOR VEP85200A
R108	D1H84734A008	COMBI.R-R	1	
R108	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	FOR VEP85200A
R109	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R109	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	FOR VEP85200A
R110	ERJ3GEYJ271	M.RESISTOR CH 1/16W 270	1	
R110	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	FOR VEP85200A
R111,12	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	FOR VEP85200A
R113	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R113	ERJ6GEYJ5R6	M.RESISTOR CH 1/10W 5.6	1	FOR VEP85200A
R114	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R114	ERJ6GEYJ5R6	M.RESISTOR CH 1/10W 5.6	1	FOR VEP85200A
R115	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R115	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	FOR VEP85200A
R116	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	FOR VEP85200A
R117	ERJ3GEYJ120	M.RESISTOR CH 1/16W 12	1	
R117	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	FOR VEP85200A
R118	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	FOR VEP85200A
R118	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R119	D1H810140001	COMBI.R-R	1	
R120	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R121	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R121	ERJ6GEYG270	M.RESISTOR CH 1/10W 27	1	FOR VEP85200A
R122	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R122	ERJ6GEYG270	M.RESISTOR CH 1/10W 27	1	FOR VEP85200A
R123,24	D1H84734A008	COMBI.R-R	2	
R125	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R125	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	FOR VEP85200A
R126	D1H84734A008	COMBI.R-R	1	
R126	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	FOR VEP85200A
R127	D1H810140001	COMBI.R-R	1	
R127	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	FOR VEP85200A
R128	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	FOR VEP85200A
R128	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R129	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R130,31	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	2	
R132	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R133	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R134	D1H84734A008	COMBI.R-R	1	
R135	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R136	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R137	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R138	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R139	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R140	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R142	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R143	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R200	ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	1	
R201	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R202	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R203	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1	
R204	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R204	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	FOR VEP85200A
R205	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R205	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	FOR VEP85200A
R206	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R207	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R208	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R209	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R210	ERJ6RBD333	M.RESISTOR CH 1/10W 33K	1	
R211	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R212	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R213	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R214	ERJ6RBD153	M.RESISTOR CH 1/10W 15K	1	
R215	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R216	ERJ3GEYJ564	M.RESISTOR CH 1/16W 560K	1	
R217	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	FOR VEP85200A
R217	ERJ3GEYJ334	M.RESISTOR CH 1/16W 330K	1	
R218	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R219	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R219	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	FOR VEP85200A
R220	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R220	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	FOR VEP85200A
R221	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R221	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	FOR VEP85200A
R222	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP85200A
R222	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R223	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP85200A
R223	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R224	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP85200A
R224	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R225	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	FOR VEP85200A
R225	ERJ8GEYJ681	M.RESISTOR CH 1/8W 680	1	
R226	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R226	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	FOR VEP85200A
R227	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R228	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP85200A
R228	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R229	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	FOR VEP85200A
R229	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R230	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R230	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	FOR VEP85200A
R231	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R232	ERJ8GEYJ1R0	M.RESISTOR CH 1/8W 1	1	
R233	ERJ8GEYJ1R2	M.RESISTOR CH 1/8W 1.2	1	
R234	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	FOR VEP85200A
R234,35	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R235	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	FOR VEP85200A
R236	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R236	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	FOR VEP85200A
R237	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R238	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R239	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R240	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	FOR VEP85200A
R240	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R241	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R241	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	FOR VEP85200A
R242	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	FOR VEP85200A
R242	ERJ3GEYJ184	M.RESISTOR CH 1/16W 180K	1	
R243	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R243	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	FOR VEP85200A
R244	ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	1	
R244	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	FOR VEP85200A
R245	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R245	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	FOR VEP85200A
R246	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R247	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	FOR VEP85200A
R247	ERJ6RBD333	M.RESISTOR CH 1/10W 33K	1	
R248	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R248	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	FOR VEP85200A
R249	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R249	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	FOR VEP85200A

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R250	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R250	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	FOR VEP85200A
R251	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	FOR VEP85200A
R251	ERJ6RBD153	M.RESISTOR CH 1/10W 15K	1	
R252,53	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R254	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	FOR VEP85200A
R254	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1	
R255	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R257	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	FOR VEP85200A
R257	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R258	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R259	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	FOR VEP85200A
R259	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R260	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	FOR VEP85200A
R260	ERJ8GEYJ681	M.RESISTOR CH 1/8W 680	1	
R261	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R262	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R263	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R264	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R264	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	FOR VEP85200A
R265	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R266	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	FOR VEP85200A
R266	ERJ8GEYJ1R0	M.RESISTOR CH 1/8W 1	1	
R267	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	FOR VEP85200A
R267	ERJ8GEYJ1R2	M.RESISTOR CH 1/8W 1.2	1	
R268	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R268	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	FOR VEP85200A
R269	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	FOR VEP85200A
R269	ERJ3GEYJ184	M.RESISTOR CH 1/16W 180K	1	
R270	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R270	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	FOR VEP85200A
R271	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R271	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	FOR VEP85200A
R272,73	ERJ3GEYJ271	M.RESISTOR CH 1/16W 270	2	
R274	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	FOR VEP85200A
R274	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R275	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R275	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	FOR VEP85200A
R276	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R277	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	FOR VEP85200A
R279	ERJ3RBD471	M.RESISTOR CH 1/16W 470	1	FOR VEP85200A
R280	ERJ12YJ270	M.RESISTOR CH 1/2W 27	1	FOR VEP85200A
R284	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	FOR VEP85200A
R286,87	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	FOR VEP85200A
R300	ERJ6RBD333	M.RESISTOR CH 1/10W 33K	1	
R301	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R301	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	FOR VEP85200A
R302	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	FOR VEP85200A
R302	ERJ6RBD333	M.RESISTOR CH 1/10W 33K	1	
R303	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R304	ERJ6RBD223	M.RESISTOR CH 1/16W 22K	1	
R305,06	ERJ6RBD153	M.RESISTOR CH 1/16W 15K	2	
R307	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	FOR VEP85200A
R307	ERJ6RBD223	M.RESISTOR CH 1/16W 22K	1	
R308	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R308	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	FOR VEP85200A
R309	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R309	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	FOR VEP85200A
R310	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R310	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	FOR VEP85200A
R311,12	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	FOR VEP85200A
R313	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP85200A
R313	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R314	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	FOR VEP85200A
R314	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R315	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP85200A
R315	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R316	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	FOR VEP85200A
R316	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R317	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP85200A
R317	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R318	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R318	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	FOR VEP85200A
R319	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP85200A
R319	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R320	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	FOR VEP85200A
R320	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R321	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	FOR VEP85200A
R322	ERJ8GEYJ1R0	M.RESISTOR CH 1/8W 1	1	
R323	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP85200A
R323,24	ERJ8GEYJ1R0	M.RESISTOR CH 1/8W 1	2	
R325	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP85200A
R325	ERJ8GEYJ1R0	M.RESISTOR CH 1/8W 1	1	
R326	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	FOR VEP85200A
R326,27	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R328	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	FOR VEP85200A
R328-30	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	3	
R330	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	FOR VEP85200A
R331	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R332	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R332	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	FOR VEP85200A
R333	ERJ3GEYJ271	M.RESISTOR CH 1/16W 270	1	
R334	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R335	ERJ3GEYJ271	M.RESISTOR CH 1/16W 270	1	
R337	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	FOR VEP85200A
R339	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	FOR VEP85200A
R342	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	FOR VEP85200A
R345	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	FOR VEP85200A
R346	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	FOR VEP85200A
R347	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	FOR VEP85200A
R348	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	FOR VEP85200A
R400-03	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	4	
R404,05	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R406,07	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R408-11	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	4	
R412-16	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	5	
R417	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R418	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R419-22	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	4	
R424-27	ERJ3GEYJ184	M.RESISTOR CH 1/16W 180K	4	
R428	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R429-32	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	4	
R433	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R434	ERJ6RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R435	ERJ6RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R436	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R437	ERJ3RBD821	M.RESISTOR CH 1/16W 820	1	
R438	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R439	ERJ3GEYJ391	M.RESISTOR CH 1/16W 390	1	
R501	D1H84734A008	COMBI.R-R	1	
R502	D1H810140001	COMBI.R-R	1	
R600	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R601	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R602	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R603	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1	
R604	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R605	ERJ6GEYG271	M.RESISTOR CH 1/10W 270	1	
R606	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R608	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R611	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R613	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R614,15	ERJ8GEYJ101	M.RESISTOR CH 1/8W 100	2	
R617	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R619	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R621	ERJ8GEYJ300	M.RESISTOR CH 1/8W 30	1	
R622-25	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	4	
R626,27	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R628,29	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R630	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R631	ERJ8GEYJ471	M.RESISTOR CH 1/8W 470	1	
R632	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R633	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R634	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R635	EXBV8V102J	COMBI.R-R 2K	1	D1H810240001
R636	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R700	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R701	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1	
R702-04	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	3	
R705-07	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	3	
R708-10	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	3	

Components identified with the mark ⚠ have the special characteristics for safety.
When replacing any of these components, use only the same type.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R711-13	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	
R800	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R801,02	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	2	
R803-05	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R806,07	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	2	
R808,09	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R810	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R811	ERJ8GEYJ681	M.RESISTOR CH 1/8W 680	1	
R812,13	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R814	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R815	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R816	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R817	ERJ6GEYG154	M.RESISTOR CH 1/10W 150K	1	
R818	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R819	ERJ3GEYJ474	M.RESISTOR CH 1/16W 470K	1	
R820	ERJ6RBD183	M.RESISTOR CH 1/10W 18K	1	
R821	ERJ8GEYJ681	M.RESISTOR CH 1/8W 680	1	
R822	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R823	ERJ3GEYJ474	M.RESISTOR CH 1/16W 470K	1	
⚠ R824-27	K5H1623A0001	FUSE	4	
R900,01	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	2	
R902	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R903	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R904-06	ERJ6GEYG681	M.RESISTOR CH 1/10W 680	3	
R950	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R951,52	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R953	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R954	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R955	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R956-58	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R959	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R960,61	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R962	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R963	ERJ3GEYJ334	M.RESISTOR CH 1/16W 330K	1	
R964,65	ERJ3RBD471	M.RESISTOR CH 1/16W 470	2	
R966	ERJ3GEYJ271	M.RESISTOR CH 1/16W 270	1	
R967	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R968	ERJ3GEYJ560	M.RESISTOR CH 1/16W 56	1	
R969,70	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R971	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
TG1	EYF6CU	TEST POINT	1	FOR VEP85200A
TP1	EYF6CU	TEST POINT	1	
TP101,02	EYF6CU	TEST POINT	2	FOR VEP85200A
TP201,02	EYF6CU	TEST POINT	2	FOR VEP85200A
TP300,01	EYF6CU	TEST POINT	2	
TP302	EYF6CU	TEST POINT	1	
TP400	EYF6CU	TEST POINT	1	
TP500-03	EYF6CU	TEST POINT	4	
TP600,01	EYF6CU	TEST POINT	2	
TP950	EYF6CU	TEST POINT	1	
VR300,01	EVM7JGA00B24	V.RESISTOR 20K	2	
VR400	EVM7JGA00B24	V.RESISTOR 20K	1	
VR401	EVM7JGA00B54	V.RESISTOR 50K	1	
VR600,01	VRV0303B203A	V.RESISTOR 20K	2	D3EC3203A002
X100	VSX0918	CRYSTAL OSCILLATOR	1	H0J250500005
		MISCELLANEOUS		
	VMS7076	SPACER	2	
	XYN26+K6	SCREW	2	
	VSC5304	RF SHIELD PLATE	1	FOR VEP85200A
■ E3	VEP83579A	VTR SUB P.C.BOARD	1	(RTL)
C1,C2	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C101	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C102	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C103	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C104	F1J0J475A006	C.CAPACITOR CH6.3V 1U	1	
C105	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C106	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C107-10	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C111-13	F1J0J475A006	C.CAPACITOR CH6.3V 1U	3	
C114,15	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C116-19	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C120-25	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	6	
C126,27	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C128-31	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C132-34	ECUX1A105KBV	C.CAPACITOR CH 10V 1U	3	
C135	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C136	ECUX1A105KBV	C.CAPACITOR CH 10V 1U	1	
C137	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C138	ECUX1A105KBV	C.CAPACITOR CH 10V 1U	1	
C139,40	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	2	
C141	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C206-08	F1J0J475A006	C.CAPACITOR CH6.3V 1U	3	
C209,10	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C211,12	F1J0J475A006	C.CAPACITOR CH6.3V 1U	2	
C213	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C214-17	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C218	F1J0J475A006	C.CAPACITOR CH6.3V 1U	1	
C219	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C220	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C221	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C222	F1J0J475A006	C.CAPACITOR CH6.3V 1U	1	
C223,24	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C225	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C227	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C230	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C231	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C412-14	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C415	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C416	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C501-03	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C504	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C505	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C506,07	ECST1CX106Z	T.CAPACITOR CH 16V 10U	2	
C508,09	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C510	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C511	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C512	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C513-16	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C517	ECUX1H561JCV	C.CAPACITOR CH 50V 560P	1	
C518	ECUX1H821JCV	C.CAPACITOR CH 50V 820P	1	
C519	ECUX1H120JCV	C.CAPACITOR CH 50V 12P	1	
C520	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C521,22	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C524	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C525,26	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	2	
C602	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C604	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C605	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C612	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
D501,02	MA3X15700L	DIODE	2	
IC1	C0JBAB000175	IC	1	
IC101,02	XC62FP3002P	IC	2	
IC103	C1ZBZ0001435	IC	1	
IC104	BH7086KV	IC	1	C1ZBZ0001649
IC105	C0JBAZ001605	IC	1	
IC203	MN2MD00006F	IC	1	
IC204	TC4W53FU	IC	1	C0JBAR000113
IC402	C0ZBZ0000363	IC	1	
IC403	C0CBADD00003	IC	1	
IC501	TA75W558FU	IC	1	C0ABBA000042
IC502	C0BBBB000006	IC	1	
IC503	C0ABBB000032	IC	1	
IC504	C0CBADD00003	IC	1	
IC506	XC62FP3002P	IC	1	
IC507	C0JBAZ001605	IC	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC508	C0JBAA000002	IC	1	
IC603	C0CBABC00060	IC	1	
IC604	C0JBAZ000851	IC	1	
L101-05	J0JBC0000019	FILTER	5	
L106,07	VLQ0319K101	COIL 100UH	2	G1C101K00022
L108	VLQ0426J100	COIL 10UH	1	G1C100J00008
L201-06	J0JBC0000019	FILTER	6	
L402	J0JCC0000119	FILTER	1	
L501	VLQ0319K101	COIL 100UH	1	G1C101K00022
L601,02	J0JBC0000019	FILTER	2	
P1	VJS3978C120A	CONNECTOR (FEMALE)	1	
P501	VJP3125B009	CONNECTOR (MALE)	1	K1KA09B00055
Q101,02	2SD1819ALL	TRANSISTOR	2	
R1	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R2	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R102	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R105	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R106	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R108,09	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	2	
R110	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R112	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R113	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R115	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R116	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R117	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R118	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R119	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R120	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R121,22	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R123,24	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R128	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R135	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R137	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R138,39	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R140	ERJ3RBD682	M.RESISTOR CH 1/16W 10K	1	
R141	ERJ3RBD121	M.RESISTOR CH 1/16W 120	1	
R142	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R144	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R147	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R149-52	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R156-59	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R202	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R203,04	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
R205	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R206	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R207,08	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	2	
R209,10	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	2	
R213	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R216	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R218	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R220,21	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R222	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R224	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R225	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R229	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R231-33	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R235	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R305	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R327,28	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R408-10	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R411	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R501	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R503	ERJ3RED824	M.RESISTOR CH 1/16W 820K	1	
R504	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R505	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R506	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R507	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R508	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R509	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R510	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R511,12	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	2	
R513	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R514	ERJ3RED334	M.RESISTOR CH 1/16W 330K	1	
R515	ERJ3RBD471	M.RESISTOR CH 1/16W 470	1	
R516	ERJ3RBD683	M.RESISTOR CH 1/16W 68K	1	
R517	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R518	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R520	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	1	
R521	ERJ3RBD471	M.RESISTOR CH 1/16W 470	1	
R522	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R523	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R524	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R525	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R527	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R528	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R529	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R530	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R531	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R532	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R533,34	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R535	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R536	ERJ6RED470	M.RESISTOR CH 1/10W 47	1	
R538-42	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	5	
R608	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R617	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R627	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
TG101,02	EYF6CU	TEST POINT	2	
■ E4	VEP80C03A	VTR S/S P.C.BOARD	1	(RTL)
P11	VJP1230T	CONNECTOR (MALE) 3P	1	
SW11	EVQQS205K	SWITCH	1	
■ E5	WE600PKF1C	DRIVE P.C.BOARD	1	(RTL)
C0001	F3H1A2260003	T.CAPACITOR CH 10V 22U	1	
C0002	F3F1A1060001	T.CAPACITOR CH 10V 10U	1	
C0003-08	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	6	F1H1E104A016
C0010,11	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	2	F1H1E104A016
C0012	SK31V225MRB	T.CAPACITOR CH 35V 2.2U	1	F3G1V2250001
C0013	F3F1A1060001	T.CAPACITOR CH 10V 10U	1	
C0014	F3G1C1060002	T.CAPACITOR CH 16V 10U	1	
C0015	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	1	F1H1E104A016
C0017	SK41C336MC	T.CAPACITOR CH 16V 33U	1	
C0018,19	F3H1A1070003	T.CAPACITOR CH 10V 100U	2	
C0020-23	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	4	F1H1E104A016
C0026	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	1	F1H1E104A016
C0027	F1H1H180A231	C.CAPACITOR CH 50V 18P	1	
C0029	F3H1E1060005	T.CAPACITOR CH 25V 10U	1	
C0030	SK41C336MC	T.CAPACITOR CH 16V 33U	1	
C0031	YGM1B103K1HT	C.CAPACITOR 12.5V 0.01U	1	F1H1H103A190
C0032	F1H1H102A190	C.CAPACITOR CH 50V 1000P	1	
C0033-35	YGM2F104Z1HT	C.CAPACITOR CH 50V 0.1U	3	F1J1H104A428
C0042	F3H1V6850002	T.CAPACITOR CH 35V 6.8U	1	
C0043	F3F1A1060001	T.CAPACITOR CH 10V 10U	1	
C0044	F3H1V6850002	T.CAPACITOR CH 35V 6.8U	1	
C0046	SK41C336MC	T.CAPACITOR CH 16V 33U	1	
C0047	F3F1A1060001	T.CAPACITOR CH 10V 10U	1	
C0048	SK41C336MC	T.CAPACITOR CH 16V 33U	1	
C0051,52	YGM1F105Z1AT	C.CAPACITOR 31.5V 1U	2	
C0053	F3H1A1070003	T.CAPACITOR CH 10V 100U	1	
C0054,55	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	2	F1H1E104A016

Components identified with the mark ⚠ have the special characteristics for safety.
When replacing any of these components, use only the same type.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
D0005	MA159	DIODE	1	MA4X15900L
J0001	K1MM21B00003	CONNECTOR	1	
J0002	K1MZ30B00002	CONNECTOR	1	
Q0004	2SC4176	TRANSISTOR	1	B1ABDB000014
Q0005	B1ADBB000010	TRANSISTOR	1	
Q0009	2SB1218AHL	TRANSISTOR	1	
Q0010,11	2SD1819A-R	TRANSISTOR	2	2SD1819AHL
Q0012	2SB1218AHL	TRANSISTOR	1	
Q0013	2SB09700HL	TRANSISTOR	1	
Q0014	2SD1819A-R	TRANSISTOR	1	2SD1819AHL
Q0015	2SD13280HL	TRANSISTOR	1	
Q0016	2SB1218AHL	TRANSISTOR	1	
R0002	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R0003,04	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R0005	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R0008	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R0010	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R0011	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R0012-15	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R0016-21	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	6	
R0028	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R0029	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R0031	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R0033	ERJ3GEYJ560	M.RESISTOR CH 1/16W 56	1	
R0034	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R0035	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R0036	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R0041-43	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	3	
R0047,48	ERJ3GEYJ150	M.RESISTOR CH 1/16W 15	2	
R0049	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R0050	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R0051	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R0052	ERJ3RBD133	M.RESISTOR CH 1/16W 13K	1	
R0053	ERJ3RBD622	M.RESISTOR CH 1/16W 6.2K	1	
R0054	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R0055	ERJ3RBD303	M.RESISTOR CH 1/16W 30K	1	
R0056	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R0057	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R0060,61	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R0062	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	1	
R0063	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R0064	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R0065	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R0068,69	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R0070	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R0074	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
U0001	C0JBAB000175	IC	1	
U0002	TC7SZ08F	IC	1	
U0003	CXD2454AR	IC	1	
U0004,05	TC7SH32FU	IC	2	
U0006	C1AB00000340	IC	1	
⚠ U0007	MC74ACT04DT	IC	1	
U0009	C0CBADC00012	IC	1	
U0010	C0ABBA000025	IC	1	
U0011,12	C0JBAF000239	IC	2	
U0013	C0JBAA000157	IC	1	
U0014-16	C0JBAB000005	IC	3	
U0017	C0CBADC00012	IC	1	
⚠ U0018	MC74ACT04DT	IC	1	
U0019	YULSQ0025	IC	1	
U0020	C0CBABG00006	IC	1	
X0001	DX28R636A	CRYSTAL OSCILLATOR	1	
		MISCELLANEOUS		
	VEE0N69	MAIN DRIVE SHIELD ASS'Y	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
■ E6	VEP81220C	POWER P.C.BOARD	1	(RTL)
C1	F1J0J475A006	C.CAPACITOR CH6.3V 1U	1	
C2,C3	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2	
C4	ECUX1H472KBV	C.CAPACITOR CH 50V 4700P	1	
C5	ECUX1H121JCV	C.CAPACITOR CH 50V 120P	1	
C6	ECUX1A474KBV	C.CAPACITOR CH 10V 0.1U	1	
C7	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	1	
C8	F1J0J475A006	C.CAPACITOR CH6.3V 1U	1	
C9	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	1	
C10	ECUX1H472KBV	C.CAPACITOR CH 50V 4700P	1	
C11,12	ECUX1H102JV	C.CAPACITOR CH 50V 1000P	2	
C13	F1J0J475A006	C.CAPACITOR CH6.3V 1U	1	
C14	ECUX1C473KBV	C.CAPACITOR CH 16V 0.047U	1	
C15	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	1	
C16	ECUX1H102JV	C.CAPACITOR CH 50V 1000P	1	
C17	ECUX1H123KBV	C.CAPACITOR CH 50V 0.012U	1	
C18	VCEA1DAP680	E.CAPACITOR 20V 68U	1	
C21	ECUX1H272KBV	C.CAPACITOR CH 50V 2700P	1	
C23	VCEA1AAP101	E.CAPACITOR 10V 100U	1	
C25	VCEA1AAP101	E.CAPACITOR 10V 100U	1	
C26	ECUX1H681JCV	C.CAPACITOR CH 50V 680P	1	
C27	VCEA1DAP680	E.CAPACITOR 20V 68U	1	
C28	EEVHB1E4R7	E.CAPACITOR 25V 4.7U	1	
C29	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C30	ECUX1H562KBV	C.CAPACITOR CH 50V 5600P	1	
C32	VCEA1CAP101	E.CAPACITOR 16V 100U	1	
C33	VCEA1AAP101	E.CAPACITOR 10V 100U	1	
C34	ECUX1H681JCV	C.CAPACITOR CH 50V 680P	1	
C35	VCEA1DAP680	E.CAPACITOR 20V 68U	1	
C39	VCEA1AAP221	E.CAPACITOR 10V 220U	1	F2D1A2210001
C41	VCEA1AAP221	E.CAPACITOR 10V 220U	1	F2D1A2210001
C42	EEVHB1E6R8R	E.CAPACITOR 25V 6.8U	1	
C100	F1J0J475A006	C.CAPACITOR CH6.3V 1U	1	
C101,02	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2	
C103	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C105	ECUX1A474KBV	C.CAPACITOR CH 10V 0.1U	1	
C106	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	1	
C107	F1J0J475A006	C.CAPACITOR CH6.3V 1U	1	
C108	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	1	
C109	ECUX1H682KBV	C.CAPACITOR CH 50V 6800P	1	
C110,11	ECUX1H102JV	C.CAPACITOR CH 50V 1000P	2	
C112	F1J0J475A006	C.CAPACITOR CH6.3V 1U	1	
C113	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C114	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	1	
C115	ECUX1H102JV	C.CAPACITOR CH 50V 1000P	1	
C116	ECUX1H681JCV	C.CAPACITOR CH 50V 680P	1	
C117	VCEA1DAP680	E.CAPACITOR 20V 68U	1	
C121,22	VCEA1AAP101	E.CAPACITOR 10V 100U	2	
C123	ECUX1H681JCV	C.CAPACITOR CH 50V 680P	1	
C124	VCEA1DAP680	E.CAPACITOR 20V 68U	1	
C125	EEVHB1E4R7	E.CAPACITOR 25V 4.7U	1	
C126	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C127	ECUX1H562KBV	C.CAPACITOR CH 50V 5600P	1	
C129	ECUX1H681JCV	C.CAPACITOR CH 50V 680P	1	
C130	VCEA1CAP101	E.CAPACITOR 16V 100U	1	
C132	VCEA1CAP101	E.CAPACITOR 16V 100U	1	
C133	VCEA1DAP680	E.CAPACITOR 20V 68U	1	
C134,35	ECUX1H333KBN	C.CAPACITOR CH 50V 0.033U	2	
C136	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	1	
C138	EEUFC1E181	E.CAPACITOR 25V 180U	1	
C139	ECUX1E105KBM	C.CAPACITOR CH 25V 1U	1	
C140	EEUFC1E181	E.CAPACITOR 25V 180U	1	
C141	F1J1C105A091	C.CAPACITOR CH 16V 1U	1	
C142	EEUFC1E181	E.CAPACITOR 25V 180U	1	
C143	ECUX1E105KBM	C.CAPACITOR CH 25V 1U	1	
C144	EEUFC1E181	E.CAPACITOR 25V 180U	1	
C145	F1J1C105A091	C.CAPACITOR CH 16V 1U	1	
C146	EEVHB1E6R8R	E.CAPACITOR 25V 6.8U	1	
C200,01	F1J0J475A006	C.CAPACITOR CH6.3V 1U	2	
C202	ECUX1A105KBV	C.CAPACITOR CH 10V 1U	1	
C203	F1J0J475A006	C.CAPACITOR CH6.3V 1U	1	
C205	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C206	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	1	
C207	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C208	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	1	
C209	ECUX1E273KBV	C.CAPACITOR CH 25V 0.027U	1	
C210	ECUX1H102JV	C.CAPACITOR CH 50V 1000P	1	
C211	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C212	VCEA1DAP680	E.CAPACITOR 20V 68U	1	
C216	VCEA1AAP101	E.CAPACITOR 10V 100U	1	
C218	ECA1EFQ820	E.CAPACITOR 25V 82U	1	
C219,20	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2	
C221	EEUFC1J680	E.CAPACITOR 63V 68U	1	
C222	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C223	EEUFC1J680	E.CAPACITOR 63V 68U	1	
C224	EEVHB1E6R8R	E.CAPACITOR 25V 6.8U	1	
C226	VCEA1AAP101	E.CAPACITOR 10V 100U	1	
C250,51	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2	
C300	ECUX1E105KBM	C.CAPACITOR CH 25V 1U	1	
C302	EEVHB1E6R8R	E.CAPACITOR 25V 6.8U	1	
C303,04	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2	
C305,06	ECUM1E224KBN	C.CAPACITOR CH 25V 0.22U	2	
C307	F1L1C1060020	C.CAPACITOR CH 16V 10U	1	
C309	EEVHB1E6R8R	E.CAPACITOR 25V 6.8U	1	
C310	VCEA1DAP101	E.CAPACITOR 20V 100U	1	
D1-D4	MA142WK-G	DIODE	4	
D5	MA143-G	DIODE	1	
D8-12	NSQ03A04	DIODE	5	B0JCPE000013
D100-03	MA142WK-G	DIODE	4	
D104	MA143-G	DIODE	1	
D107	NSQ03A04	DIODE	1	B0JCPE000013
D109	NSQ03A04	DIODE	1	B0JCPE000013
D110,11	SFPB-76V	DIODE	2	
D112	MA2Q73900L	DIODE	1	
D113-17	MAZ80680KL	DIODE	5	
D200-02	MA142WK-G	DIODE	3	
D205	NSQ03A04	DIODE	1	B0JCPE000013
D206	B0JCML000002	DIODE	1	
D207	MA142WK-G	DIODE	1	
D301-03	MA3X721D0L	DIODE	3	
D304-06	MAZ80680KL	DIODE	3	
D307	S3V60	DIODE	1	B0EAKR000020
D309	MA142WA-G	DIODE	1	
D310	MA142WK-G	DIODE	1	
IC1	BA9706K	IC	1	C0DBAZZ00012
IC100	BA9706K	IC	1	C0DBAZZ00012
IC200	BA9743AFV	IC	1	
IC300	C0DBZGH00001	IC	1	
IC301	C0BBBA000041	IC	1	
JP1	VMP6346	EARTH LUG	1	
L1-L3	J0JBC0000019	FILTER	3	
L4	J0JKC0000009	FILTER	1	
L5	G1C4R7M00009	COIL 4.7UH	1	
L6	J0JKC0000009	FILTER	1	
L7	VLQ0859M101	COIL 100UH	1	
L8	G1C6R8M00001	COIL 6.8UH	1	
L9	J0JKC0000009	FILTER	1	
L10	G1C4R7M00009	COIL 4.7UH	1	
L11	J0JKC0000009	FILTER	1	
L12	VLQ0859M101	COIL 100UH	1	
L13	G1C6R8M00001	COIL 6.8UH	1	
L14	J0JKC0000009	FILTER	1	
L15	G1C4R7M00009	COIL 4.7UH	1	
L16	VLQ0859M221	COIL 220U	1	
L17	J0JKC0000009	FILTER	1	
L18	G1C6R8M00001	COIL 6.8UH	1	
L100-02	J0JBC0000019	FILTER	3	
L103	J0JKC0000009	FILTER	1	
L104	G1C4R7M00009	COIL 4.7UH	1	
L105	J0JKC0000009	FILTER	1	
L106	VLQ0859M101	COIL 100UH	1	
L107	G1C6R8M00001	COIL 6.8UH	1	
L108	J0JKC0000009	FILTER	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
L109	G1C4R7M00009	COIL 4.7UH	1	
L110	J0JKC0000009	FILTER	1	
L111	VLQ0859M221	COIL 220U	1	
L112	G1C6R8M00001	COIL 6.8UH	1	
L113	J0JKC0000009	FILTER	1	
L114	G1C4R7M00009	COIL 4.7UH	1	
L115,16	G1A100G00006	COIL 10UH	2	
L200,01	J0JBC0000019	FILTER	2	
L202	J0JKC0000009	FILTER	1	
L203	G1C4R7M00009	COIL 4.7UH	1	
L204	J0JKC0000009	FILTER	1	
L205	VLQ0859M101	COIL 100UH	1	
L206	G1C6R8M00001	COIL 6.8UH	1	
L207	J0JKC0000009	FILTER	1	
L209	VLQ0319K680	COIL 68UH	1	G1C680KA0002
L210	G1A102B00003	COIL 1000UH	1	
L300	VLQ0319K100	COIL 10UH	1	G1C100K00023
L302,03	J0JKC0000009	FILTER	2	
P1	VEE0Q31	FRONT MIC EARTH CABLE	1	
P2	VEE0M65	POWER CABLE 2	1	
P3	K1KA07B00006	CONNECTOR (MALE)	1	
P4	VJP2824B003	CONNECTOR (MALE)	1	K1KA03B00005
Q1	2SD1820ALL	TRANSISTOR	1	
Q2	2SB1219ALL	TRANSISTOR	1	
Q3	B1DHEG000002	TRANSISTOR	1	
Q5	2SD1820ALL	TRANSISTOR	1	
Q6	2SB1219ALL	TRANSISTOR	1	
Q7	XN0440100L	TRANSISTOR	1	
Q8	2SD1820ALL	TRANSISTOR	1	
Q9	B1DHEG000002	TRANSISTOR	1	
Q10,11	2SD1820ALL	TRANSISTOR	2	
Q12	2SB1219ALL	TRANSISTOR	1	
Q13	B1DHEG000002	TRANSISTOR	1	
Q100	2SD1820ALL	TRANSISTOR	1	
Q101	2SB1219ALL	TRANSISTOR	1	
Q102	B1DHEG000002	TRANSISTOR	1	
Q105	2SD1820ALL	TRANSISTOR	1	
Q106	2SB1219ALL	TRANSISTOR	1	
Q107	XN0440100L	TRANSISTOR	1	
Q108	2SD1820ALL	TRANSISTOR	1	
Q109	B1DHEG000002	TRANSISTOR	1	
Q110	2SD1820ALL	TRANSISTOR	1	
Q111	2SB1219ALL	TRANSISTOR	1	
Q112	2SK1748-Z	TRANSISTOR	1	
Q200	2SD1820ALL	TRANSISTOR	1	
Q201	2SB1219ALL	TRANSISTOR	1	
Q202	B1DHEG000002	TRANSISTOR	1	
Q204	2SB1219ALL	TRANSISTOR	1	
Q205	2SD2403	TRANSISTOR	1	
Q300	2SB1219ALL	TRANSISTOR	1	
Q301	B1DDHF000001	TRANSISTOR	1	
Q303	B1DHEG000002	TRANSISTOR	1	
QR1,R2	UNR511200L	TRANSISTOR	2	
QR3	UNR521100L	TRANSISTOR	1	
QR100,01	UNR511200L	TRANSISTOR	2	
QR102	UNR521100L	TRANSISTOR	1	
QR202,03	UNR511200L	TRANSISTOR	2	
QR300	UNR521100L	TRANSISTOR	1	
QR301	UN5215	TRANSISTOR	1	
QR303	UNR521100L	TRANSISTOR	1	
QR404	UNR511200L	TRANSISTOR	1	
R1	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R2	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R3,R4	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R6	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R7-12	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	6	
R13	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R14,15	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R16	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R17	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1	
R18	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	

Components identified with the mark⚠have the special characteristics for safety.
When replacing any of these components, use only the same type.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R19	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R20	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R21	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R22	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1	
R23	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R24	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R25	ERJ3RBD162	M.RESISTOR CH 1/16W 1.6K	1	
R26	ERJ3RBD181	M.RESISTOR CH 1/16W 180	1	
R27	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R28	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R29	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R30	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R31	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R35	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R37	ERJ3GEYJ180	M.RESISTOR CH 1/16W 18	1	
R38	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R39	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R40	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R41	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R42	ERJ14RSJR10	M.RESISTOR CH 1/4W 0.1	1	
R43	ERJ3GEYJ431	M.RESISTOR CH 1/16W 430	1	
R44	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R45	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R46	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R47	ERJ3GEYJ180	M.RESISTOR CH 1/16W 18	1	
R49	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R50	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R51	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R52	ERJ3RBD433	M.RESISTOR CH 1/16W 43K	1	
R53	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R54	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R55	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R56	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R60	ERJ3RBD471	M.RESISTOR CH 1/16W 470	1	
R61	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R62	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R63	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R64	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R100	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R101	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R103	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1	
R104,05	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R106-11	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	6	
R112	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R113	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R114	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R115	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R116	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1	
R117	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R118	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R119	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R120	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R121	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1	
R122	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R123	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R124	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R125	ERJ3RBD823	M.RESISTOR CH 1/16W 82K	1	
R126	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R127	ERJ3RBD301	M.RESISTOR CH 1/16W 300	1	
R128	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R129	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R130	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R134	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R137	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R138	ERJ3RBD112	M.RESISTOR CH 1/16W 1.1K	1	
R139	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R140	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R141	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R142	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R143	ERJ14RSJR10	M.RESISTOR CH 1/4W 0.1	1	
R144	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R145	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R146	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R147	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R148	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R150	ERJ3RBD563	M.RESISTOR CH 1/16W 56K	1	
R151	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R152	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R153	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R154	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R155	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R156	ERJ8GEYJ472	M.RESISTOR CH 1/8W 4.7K	1	
R157	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R159,60	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R162	ERJ3GEYJ750	M.RESISTOR CH 1/16W 75	1	
R164,65	ERJ3GEYJ680	M.RESISTOR CH 1/16W 68	2	
R166	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R202	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R203	ERJ3RBD183	M.RESISTOR CH 1/16W 18K	1	
R204	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R205	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R206	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	1	
R207-10	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	4	
R211	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R212	ERJ3RBD302	M.RESISTOR CH 1/16W 3K	1	
R213	ERJ3RBD241	M.RESISTOR CH 1/16W 240	1	
R214	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R216	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R217	ERJ3RED224	M.RESISTOR CH 1/16W 220K	1	
R218	ERJ3RBD331	M.RESISTOR CH 1/16W 330	1	
R219	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R220	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R221	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R222	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R226	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R228	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R229	ERJ14YJ1R0	M.RESISTOR CH 1/4W 1	1	
R230	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R231	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R232	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R233	ERJ3GEYJ271	M.RESISTOR CH 1/16W 270	1	
R234	ERJ8GEYJ101	M.RESISTOR CH 1/8W 100	1	
R235	ERJ3GEYJ433	M.RESISTOR CH 1/16W 43K	1	
R237	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R300	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R301	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R302	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R303	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R304	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R307	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R310	ERJ3RBD753	M.RESISTOR CH 1/16W 75K	1	
R311	ERJ3RBD273	M.RESISTOR CH 1/16W 27K	1	
R312,13	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R314	ERJ3GEYJ201	M.RESISTOR CH 1/16W 200	1	
R315	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R316	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R317,18	ERJ3GEYJ564	M.RESISTOR CH 1/16W 560K	2	
R319	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R320,21	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	2	
R322	ERJ3RBD203	M.RESISTOR CH 1/16W 20K	1	
R323	ERJ3RBD303	M.RESISTOR CH 1/16W 30K	1	
R324	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R325	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
SW300	VSS0342	SWITCH	1	K0D112B00056
T100	VTP0514	TRANSFORMER	1	G4D1A0000033
TG1	EYF6CU	TEST POINT	1	
⚠ TH300	VRT0152160	THERMISTOR	1	
TP3	EYF6CU	TEST POINT	1	
TP300	EYF6CU	TEST POINT	1	
VR2	EVM7JGA00B24	V.RESISTOR 20K	1	
		MISCELLANEOUS		
	VMP6829	C.B.A. HOLDER ANGLE	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
	XYN26+K6	SCREW	2	
■ E7	WE600PKY1B	PRE AMP 2 P.C.BOARD	1	(RTL)
C0701	F3F1A1060001	T.CAPACITOR CH 10V 10U	1	
C0702	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	1	F1H1E104A016
Q0701	2SA15320CL	TRANSISTOR	1	
Q0702	2SC39310YL	TRANSISTOR	1	
R0701	EVM7JGA00B14	V.RESISTOR 10K	1	
R0702	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R0703	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R0704	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R0705	EVM7JGA00B14	V.RESISTOR 10K	1	
R0706	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R0707	EVM7JGA00B14	V.RESISTOR 10K	1	
R0708	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
		MISCELLANEOUS		
	L3071A04A1	SPECIAL CABLE	1	
	L3071A05A3	SPECIAL CABLE	1	
	L3071A06A2	SPECIAL CABLE	1	
	L3071A07A7	SPECIAL CABLE	1	
■ E8	VEP80C06D	REAR JACK P.C.BOARD	1	(RTL)
C1-C6	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	6	
J1,J2	VJS3417	CONNECTOR (FEMALE)	2	K1AB103A0007
P1	VEE0N11	REAR JACK CABLE	1	
R2,R3	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R5	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R8,R9	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R11	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
■ E9	VEP80C07B	AV OUT P.C.BOARD	1	(RTL)
C102,03	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	2	F1H1H102A009
J100	VJS3155	CONNECTOR (FEMALE)	1	K1CB104A0012
J101	VJJ0323	RCA PIN JACK	1	K2HA202A0029
J400,01	VJS1440	CONNECTOR (FEMALE)	2	
L100,01	J0JBC0000041	FILTER	2	
L102,03	J0JBC0000023	FILTER	2	
P100	VEE0N13	CAM OUT CABLE	1	
P101	VEE0N12	AV OUT CABLE	1	
R100,01	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
R102	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R104	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R400-03	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
		MISCELLANEOUS		

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
	VMP6781	C.B.A. HOLDER ANGLE	1	
	XTV3+6GFZ	SCREW	2	
	VMG1392	CN WATERPROOF CUSHION	1	
	VSC5244	JACK ELECTROSTATIC ANGLE	1	
■ E10	VEP86149A	OPERATE P.C.BOARD	1	(RTL)
D6001-03	B3AAB0000044	LED	3	
P501	VJP3125B010	CONNECTOR (MALE)	1	K1KA10B00136
SW6001-05	EVQPHL03T	SWITCH	5	
		MISCELLANEOUS		
	VEE9417	P.C.B. INT CABLE	1	
■ E11	VEP84376A	CUE P.C.BOARD	1	(RTL)
C1001,02	EEVHB1H3R3	E.CAPACITOR 50V 3.3U	2	
C1003-06	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	4	
C1007,08	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C1101-03	F1L1C1060020	C.CAPACITOR CH 16V 10U	3	
C1106	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C1107	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	
C1108	ECUX1H223KBN	C.CAPACITOR CH 50V 0.22U	1	
C1109	ECHS1H102JZ	P.CAPACITOR 50V 1000P	1	
C1110	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C1111	VCF2JAB332J	P.CAPACITOR 630V 3300P	1	
C1112	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C1113	ECUX1H273KBN	C.CAPACITOR CH 50V 0.027U	1	
C1114	ECUX1H822KBV	C.CAPACITOR CH 50V 8200P	1	
C1115,16	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C1117	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C1118	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	1	
C1119	VCC0030	CAPACITOR	1	
C1120	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	
C1121	ECUM1E473KBN	C.CAPACITOR CH 25V 0.047U	1	
C1122	ECUX1H390JCV	C.CAPACITOR CH 50V 39P	1	
C1123	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C1124	ECUX1H151JCV	C.CAPACITOR CH 50V 150P	1	
C1125	F1L1C1060020	C.CAPACITOR CH 16V 10U	1	
D1001-04	MA142K-G	DIODE	4	
D1101	MA142K-G	DIODE	1	
FL1101	EIR7QF012B	TRANSFORMER	1	
IC1001,02	C0JBAZ000516	IC	2	
IC1003,04	C0JBAM000045	IC	2	
IC1101	C0ABBB000110	IC	1	
IC1102	C0JBAB000350	IC	1	
L1101-03	VLQ0319K100	COIL 10UH	3	G1C100K00023
L1104	VLQ0423J472	COIL 4700UH	1	
P1001	K1KA06B00106	CONNECTOR (MALE)	1	
P1002	K1KA08B00147	CONNECTOR (MALE)	1	
P1003	K1KA06B00106	CONNECTOR (MALE)	1	
P1004	VJS3791D015	CONNECTOR (FEMALE)	1	
P1005	VJP3125B009	CONNECTOR (MALE)	1	K1KA09B00055
Q1101	2SB07790RL	TRANSISTOR	1	
Q1102	2SD1819A-R	TRANSISTOR	1	2SD1819ARL
Q1103	2SD08740RL	TRANSISTOR	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
Q1104	2SD197900L	TRANSISTOR	1	
Q1105	2SB12200RL	TRANSISTOR	1	
Q1106,07	2SD18210LL	TRANSISTOR	2	
Q1108,09	2SD197900L	TRANSISTOR	2	
QR1001	UNR511300L	TRANSISTOR	1	
QR1002,03	UNR521F00L	TRANSISTOR	2	
QR1004,05	UNR511300L	TRANSISTOR	2	
QR1006,07	UNR521F00L	TRANSISTOR	2	
QR1008	UNR511300L	TRANSISTOR	1	
QR1101-05	UNR511300L	TRANSISTOR	5	
QR1106	UNR521300L	TRANSISTOR	1	
QR1107	UNR511300L	TRANSISTOR	1	
R1003,04	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	
R1005-08	ERJ3GEYJ224	M.RESISTOR CH 1/16W 220K	4	
R1013	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R1014,15	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R1101	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R1102	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R1103	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	
R1104	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R1105	ERJ8GEYJ1R0	M.RESISTOR CH 1/8W 1	1	
R1106	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R1107	ERJ3GEYJ390	M.RESISTOR CH 1/16W 39	1	
R1108	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1110	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R1111	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R1112	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R1113	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R1115	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R1116	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R1117,18	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R1119	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R1120	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R1121	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R1122	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R1123,24	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R1125	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	
R1126	ERJ3RED100	M.RESISTOR CH 1/16W 10	1	
R1127	ERJ8GEYJ1R0	M.RESISTOR CH 1/8W 1	1	
R1128	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R1129	ERJ3GEYJ124	M.RESISTOR CH 1/16W 120K	1	
R1130	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1131	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R1132	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R1133,34	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R1136	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
RY1001,02	K6B2CDB00010	RELAY	2	
T1101	G4ZZ00000358	TRANSFORMER	1	
TP1001-04	EYF6CU	TEST POINT	4	
VR1101	D3EC5503A001	V.RESISTOR 50K	1	
VR1102	VRV0161B103	V.RESISTOR 10K	1	
		MISCELLANEOUS		
	EYF6CU	TEST POINT	5	
■ E12	WE600PKB1B	SENSOR (R) P.C.BOARD	1	(RTL)
C0001,02	F3H1E4750002	T.CAPACITOR CH 25V 4.7U	2	
C0003	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
C0004	ECSF1CE156	T.CAPACITOR CH 16V 15U	1	
C0006	F3H0J4760002	T.CAPACITOR CH6.3V 47U	1	
C0007	F3H1E4750002	T.CAPACITOR CH 25V 4.7U	1	
C0008	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	1	F1H1E104A016

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
J0001	K1MZ18B00003	CONNECTOR	1	
L0001	G1C150J00002	COIL 15UH	1	
Q0001	2SC39310YL	TRANSISTOR	1	
R0001	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R0003	ERJ3GEYJ184	M.RESISTOR CH 1/16W 180K	1	
R0004	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R0005	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R0006	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R0007	ERJ3GEYJ302	M.RESISTOR CH 1/16W 3K	1	
R0008	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R0009	ERJ3GEYJ391	M.RESISTOR CH 1/16W 390	1	
■ E13	WE600PKC1B	SENSOR (G) P.C.BOARD	1	(RTL)
C0001,02	F3H1E4750002	T.CAPACITOR CH 25V 4.7U	2	
C0003	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
C0004	F3H0J1560001	T.CAPACITOR CH6.3V 15U	1	
C0006	F3H0J4760002	T.CAPACITOR CH6.3V 47U	1	
C0007	F3H1E4750002	T.CAPACITOR CH 25V 4.7U	1	
C0008	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	1	F1H1E104A016
E0001,02	L2471A06A5	SPECIAL CABLE	2	
J0001	K1MZ30B00002	CONNECTOR	1	
J0002	K1MZ10B00003	CONNECTOR	1	
J0003,04	K1MZ18B00003	CONNECTOR	2	
L0001	G1C150J00002	COIL 15UH	1	
Q0001	2SC39310YL	TRANSISTOR	1	
R0001	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R0003	ERJ3GEYJ184	M.RESISTOR CH 1/16W 180K	1	
R0004	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R0005	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R0006	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R0007	ERJ3GEYJ302	M.RESISTOR CH 1/16W 3K	1	
R0008	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R0009	ERJ3GEYJ391	M.RESISTOR CH 1/16W 390	1	
■ E14	WE600PKD1B	SENSOR (B) P.C.BOARD	1	(RTL)
C0001,02	F3H1E4750002	T.CAPACITOR CH 25V 4.7U	2	
C0003	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
C0004	F3H0J1560001	T.CAPACITOR CH6.3V 15U	1	
C0006	F3H0J4760002	T.CAPACITOR CH6.3V 47U	1	
C0007	F3H1E4750002	T.CAPACITOR CH 25V 4.7U	1	
C0008	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	1	F1H1E104A016
J0001	K1MZ18B00003	CONNECTOR	1	
L0001	G1C150J00002	COIL 15UH	1	
Q0001	2SC39310YL	TRANSISTOR	1	
R0001	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R0003	ERJ3GEYJ184	M.RESISTOR CH 1/16W 180K	1	
R0004	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R0005	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R0006	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R0007	ERJ3GEYJ302	M.RESISTOR CH 1/16W 3K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R0008	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R0009	ERJ3GEYJ391	M.RESISTOR CH 1/16W 390	1	
W0001	BP120J1	LEAD	1	
■ E15	WE600PKE1B	PRE AMP P.C.BOARD	1	(RTL)
■	VEP83564A	PRE AMP 3 P.C.BOARD	1	(RTL)
				FOR WE600PKE1B
C0001	F3H1C6860001	T.CAPACITOR CH 16V 68U	1	
C0002	F3F1A1060001	T.CAPACITOR CH 10V 10U	1	
C0003	SK21C225MRA	T.CAPACITOR CH 16V 2.2U	1	F3F1C225A006
C0005-07	F3H1C6860001	T.CAPACITOR CH 16V 68U	3	
C0008	F3G1A3360001	T.CAPACITOR CH 10V 33U	1	
C0009	F3F1A1060001	T.CAPACITOR CH 10V 10U	1	
C0010	SK21C225MRA	T.CAPACITOR CH 16V 2.2U	1	F3F1C225A006
C0012	F3G1A3360001	T.CAPACITOR CH 10V 33U	1	
C0101	F3F1A1060001	T.CAPACITOR CH 10V 10U	1	
C0102	F1H1H151A231	C.CAPACITOR CH 50V 150P	1	
C0103	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	1	F1H1E104A016
C0104	F3G1C2260001	T.CAPACITOR CH 16V 22U	1	
C0105	F1H1H180A231	C.CAPACITOR CH 50V 18P	1	
C0106	F1H1H150A004	C.CAPACITOR CH 50V 15P	1	
C0107	F1H1H180A231	C.CAPACITOR CH 50V 18P	1	
C0108	F3F1C1060002	T.CAPACITOR CH 16V 10U	1	
C0109	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	1	F1H1E104A016
C0110	YGM1C390J1HT	C.CAPACITOR 16V 39P	1	F1H1H390A231
C0111	F3F1A1060001	T.CAPACITOR CH 10V 10U	1	
C0112	F1H1H151A231	C.CAPACITOR CH 50V 150P	1	
C0113	SK31C476MRD0	T.CAPACITOR CH 16V 47U	1	F3H1C4760003
C0114	YGM1C100D1HT	C.CAPACITOR 16V 10P	1	F1H1H100A226
C0115	F1H1H200A004	C.CAPACITOR CH 50V 20P	1	
C0116	F3F1A1060001	T.CAPACITOR CH 10V 10U	1	
C0118,19	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	2	F1H1E104A016
C0120	F3F1A1060001	T.CAPACITOR CH 10V 10U	1	
C0121	F3F0J3360001	T.CAPACITOR CH6.3V 33U	1	
C0122	F3F1A1060001	T.CAPACITOR CH 10V 10U	1	
C0302	F1H1H151A231	C.CAPACITOR CH 50V 150P	1	
C0303	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	1	F1H1E104A016
C0304	F3G1C2260001	T.CAPACITOR CH 16V 22U	1	
C0305	F1H1H180A231	C.CAPACITOR CH 50V 18P	1	
C0306	F1H1H150A004	C.CAPACITOR CH 50V 15P	1	
C0307	F1H1H180A231	C.CAPACITOR CH 50V 18P	1	
C0308	F3F1C1060002	T.CAPACITOR CH 16V 10U	1	
C0309	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	1	F1H1E104A016
C0310	YGM1C390J1HT	C.CAPACITOR 16V 39P	1	F1H1H390A231
C0311	F3F1A1060001	T.CAPACITOR CH 10V 10U	1	
C0312	F1H1H151A231	C.CAPACITOR CH 50V 150P	1	
C0313	SK31C476MRD0	T.CAPACITOR CH 16V 47U	1	F3H1C4760003
C0314	YGM1C100D1HT	C.CAPACITOR 16V 10P	1	F1H1H100A226
C0315	F1H1H200A004	C.CAPACITOR CH 50V 20P	1	
C0316	F3F1A1060001	T.CAPACITOR CH 10V 10U	1	
C0318,19	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	2	F1H1E104A016
C0320	F3F1A1060001	T.CAPACITOR CH 10V 10U	1	
C0321	F3F0J3360001	T.CAPACITOR CH6.3V 33U	1	
C0502	F1H1H151A231	C.CAPACITOR CH 50V 150P	1	
C0503	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	1	F1H1E104A016
C0504	F3G1C2260001	T.CAPACITOR CH 16V 22U	1	
C0505	F1H1H180A231	C.CAPACITOR CH 50V 18P	1	
C0506	F1H1H150A004	C.CAPACITOR CH 50V 15P	1	
C0507	F1H1H180A231	C.CAPACITOR CH 50V 18P	1	
C0508	F3F1C1060002	T.CAPACITOR CH 16V 10U	1	
C0509	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	1	F1H1E104A016
C0510	YGM1C390J1HT	C.CAPACITOR 16V 39P	1	F1H1H390A231
C0511	F3F1A1060001	T.CAPACITOR CH 10V 10U	1	
C0512	F1H1H151A231	C.CAPACITOR CH 50V 150P	1	
C0513	SK31C476MRD0	T.CAPACITOR CH 16V 47U	1	F3H1C4760003
C0514	YGM1C100D1HT	C.CAPACITOR 16V 10P	1	F1H1H100A226
C0515	F1H1H200A004	C.CAPACITOR CH 50V 20P	1	
C0516	F3F1A1060001	T.CAPACITOR CH 10V 10U	1	
C0518,19	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	2	F1H1E104A016

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C0520	F3F1A1060001	T.CAPACITOR CH 10V 10U	1	
C0521	F3F0J3360001	T.CAPACITOR CH6.3V 33U	1	
C0522	F3F1A1060001	T.CAPACITOR CH 10V 10U	1	
CF0101	J0E5004B0001	LCR FILTER	1	
CF0102	J0E9604B0002	LCR FILTER	1	
CF0301	J0E5004B0001	LCR FILTER	1	
CF0302	J0E9604B0002	LCR FILTER	1	
CF0501	J0E5004B0001	LCR FILTER	1	
CF0502	J0E9604B0002	LCR FILTER	1	
D0100	MA165	DIODE	1	MA2C165001VT
D0300	MA165	DIODE	1	MA2C165001VT
D0500	MA165	DIODE	1	MA2C165001VT
IC1	C0DBEZC00009	IC	1	FOR VEP83564A
J0001	K1MM16B00003	CONNECTOR	1	
J0002	K1MZ06B00001	CONNECTOR	1	
J0003	K1MZ10B00003	CONNECTOR	1	
L0101	G1C2R7J00003	COIL	1	
L0301	G1C2R7J00003	COIL	1	
L0501	G1C2R7J00003	COIL	1	
Q0001	2SB0766AHL	TRANSISTOR	1	
Q0002	2SD0874AHL	TRANSISTOR	1	
Q0101	2SA15320CL	TRANSISTOR	1	
Q0102	2SC39310YL	TRANSISTOR	1	
Q0103	2SA15320CL	TRANSISTOR	1	
Q0104	3SK157	FET	1	
Q0105	2SC39310YL	TRANSISTOR	1	
Q0106	2SA15320CL	TRANSISTOR	1	
Q0107	3SK157	FET	1	
Q0108	2SC39310YL	TRANSISTOR	1	
Q0109	2SA15320CL	TRANSISTOR	1	
Q0110	3SK157	FET	1	
Q0111,12	2SC39310YL	TRANSISTOR	2	
Q0113	2SD1819A-R	TRANSISTOR	1	2SD1819AHL
Q0114	2SC39310YL	TRANSISTOR	1	
Q0115	2SD1819A-R	TRANSISTOR	1	2SD1819AHL
Q0116-18	2SA15320CL	TRANSISTOR	3	
Q0119	2SC39310YL	TRANSISTOR	1	
Q0120-23	2SA15320CL	TRANSISTOR	4	
Q0124	2SD1819A-R	TRANSISTOR	1	2SD1819AHL
Q0125	2SC39310YL	TRANSISTOR	1	
Q0126	2SD1819A-R	TRANSISTOR	1	2SD1819AHL
Q0127	2SC39310YL	TRANSISTOR	1	
Q0128	2SA15320CL	TRANSISTOR	1	
Q0302	2SC39310YL	TRANSISTOR	1	
Q0303	2SA15320CL	TRANSISTOR	1	
Q0304	3SK157	FET	1	
Q0305	2SC39310YL	TRANSISTOR	1	
Q0306	2SA15320CL	TRANSISTOR	1	
Q0307	3SK157	FET	1	
Q0308	2SC39310YL	TRANSISTOR	1	
Q0309	2SA15320CL	TRANSISTOR	1	
Q0310	3SK157	FET	1	
Q0311,12	2SC39310YL	TRANSISTOR	2	
Q0313	2SD1819A-R	TRANSISTOR	1	2SD1819AHL
Q0314	2SC39310YL	TRANSISTOR	1	
Q0315	2SD1819A-R	TRANSISTOR	1	2SD1819AHL
Q0316-18	2SA15320CL	TRANSISTOR	3	
Q0319	2SC39310YL	TRANSISTOR	1	
Q0320-23	2SA15320CL	TRANSISTOR	4	
Q0324	2SD1819A-R	TRANSISTOR	1	2SD1819AHL
Q0325	2SC39310YL	TRANSISTOR	1	
Q0326	2SD1819A-R	TRANSISTOR	1	2SD1819AHL
Q0502	2SC39310YL	TRANSISTOR	1	
Q0503	2SA15320CL	TRANSISTOR	1	
Q0504	3SK157	FET	1	
Q0505	2SC39310YL	TRANSISTOR	1	
Q0506	2SA15320CL	TRANSISTOR	1	
Q0507	3SK157	FET	1	
Q0508	2SC39310YL	TRANSISTOR	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
Q0509	2SA15320CL	TRANSISTOR	1	
Q0510	3SK157	FET	1	
Q0511,12	2SC39310YL	TRANSISTOR	2	
Q0513	2SD1819A-R	TRANSISTOR	1	2SD1819AHL
Q0514	2SC39310YL	TRANSISTOR	1	
Q0515	2SD1819A-R	TRANSISTOR	1	2SD1819AHL
Q0516-18	2SA15320CL	TRANSISTOR	3	
Q0519	2SC39310YL	TRANSISTOR	1	
Q0520-23	2SA15320CL	TRANSISTOR	4	
Q0524	2SD1819A-R	TRANSISTOR	1	2SD1819AHL
Q0525	2SC39310YL	TRANSISTOR	1	
Q0526	2SD1819A-R	TRANSISTOR	1	2SD1819AHL
Q0527	2SC39310YL	TRANSISTOR	1	
Q0528	2SA15320CL	TRANSISTOR	1	
R1	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	FOR VEP83564A
R2	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	FOR VEP83564A
R3	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	FOR VEP83564A
R0003	ERJ3RBD163	M.RESISTOR CH 1/16W 16K	1	
R4	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP83564A
R0004	ERJ3RBD473	M.RESISTOR CH 1/16W 47K	1	
R0005	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R0007	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R0009	ERJ3RBD273	M.RESISTOR CH 1/16W 27K	1	
R0010	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R0012	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	1	
R0013	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R0101,02	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	2	
R0103	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R0104	ERJ3GEYJ752	M.RESISTOR CH 1/16W 7.5K	1	
R0105	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R0106	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R0107	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R0108	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R0109	ERJ3GEYJ752	M.RESISTOR CH 1/16W 7.5K	1	
R0110	ERJ3GEYJ241	M.RESISTOR CH 1/16W 240	1	
R0111	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R0112	ERJ3GEYJ242	M.RESISTOR CH 1/16W 2.4K	1	
R0113	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R0114	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R0115	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R0116	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R0117	ERJ3GEYJ303	M.RESISTOR CH 1/16W 30K	1	
R0118	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R0119,20	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	2	
R0121	ERJ3GEYJ752	M.RESISTOR CH 1/16W 7.5K	1	
R0122	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R0123	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R0124	ERJ3GEYJ752	M.RESISTOR CH 1/16W 7.5K	1	
R0125	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R0126	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1	
R0127	EVM7JSW30B12	V.RESISTOR 100	1	
R0128	ERJ3GEYJ155	M.RESISTOR CH 1/16W 1.5M	1	
R0129	ERJ3GEYJ302	M.RESISTOR CH 1/16W 3K	1	
R0130	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R0131	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R0132	ERJ3GEYJ752	M.RESISTOR CH 1/16W 7.5K	1	
R0133	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R0134	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R0135	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	
R0136	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R0137	ERJ3GEYJ751	M.RESISTOR CH 1/16W 750	1	
R0138	ERJ3GEYJ752	M.RESISTOR CH 1/16W 7.5K	1	
R0139	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R0140	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R0141,42	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	2	
R0143	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R0144,45	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	2	
R0146	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R0147	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R0148	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R0149	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R0150	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R0151,52	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R0153	ERJ3GEYJ391	M.RESISTOR CH 1/16W 390	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R0154	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R0155	EVM7JSW30B23	V.RESISTOR 2K	1	
R0156	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R0157	ERJ3GEYJ391	M.RESISTOR CH 1/16W 390	1	
R0158	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R0159	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R0163	EVM7JSW30B23	V.RESISTOR 2K	1	
R0165	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R0167	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	1	
R0170	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R0171	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R0304	ERJ3GEYJ752	M.RESISTOR CH 1/16W 7.5K	1	
R0305	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R0306	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R0307	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R0308	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R0309	ERJ3GEYJ752	M.RESISTOR CH 1/16W 7.5K	1	
R0310	ERJ3GEYJ241	M.RESISTOR CH 1/16W 240	1	
R0311	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R0312	ERJ3GEYJ242	M.RESISTOR CH 1/16W 2.4K	1	
R0313	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R0314	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R0315	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R0316	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R0317	ERJ3GEYJ303	M.RESISTOR CH 1/16W 30K	1	
R0318	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R0319,20	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	2	
R0321	ERJ3GEYJ752	M.RESISTOR CH 1/16W 7.5K	1	
R0322	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R0323	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R0324	ERJ3GEYJ752	M.RESISTOR CH 1/16W 7.5K	1	
R0325	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R0326	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1	
R0327	EVM7JSW30B12	V.RESISTOR 100	1	
R0328	ERJ3GEYJ155	M.RESISTOR CH 1/16W 1.5M	1	
R0329	ERJ3GEYJ302	M.RESISTOR CH 1/16W 3K	1	
R0330	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R0331	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R0332	ERJ3GEYJ752	M.RESISTOR CH 1/16W 7.5K	1	
R0333	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R0334	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R0335	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	
R0336	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R0337	ERJ3GEYJ751	M.RESISTOR CH 1/16W 750	1	
R0338	ERJ3GEYJ752	M.RESISTOR CH 1/16W 7.5K	1	
R0339	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R0340	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R0341,42	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	2	
R0343	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R0344,45	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	2	
R0346	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R0347	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R0348	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R0349	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R0350	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R0351,52	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R0353	ERJ3GEYJ391	M.RESISTOR CH 1/16W 390	1	
R0354	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R0355	EVM7JSW30B23	V.RESISTOR 2K	1	
R0356	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R0357	ERJ3GEYJ391	M.RESISTOR CH 1/16W 390	1	
R0358	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R0359	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R0363	EVM7JSW30B23	V.RESISTOR 2K	1	
R0370	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R0371	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R0504	ERJ3GEYJ752	M.RESISTOR CH 1/16W 7.5K	1	
R0505	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R0506	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R0507	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R0508	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R0509	ERJ3GEYJ752	M.RESISTOR CH 1/16W 7.5K	1	
R0510	ERJ3GEYJ241	M.RESISTOR CH 1/16W 240	1	
R0511	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R0512	ERJ3GEYJ242	M.RESISTOR CH 1/16W 2.4K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R0513	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R0514	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R0515	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R0516	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R0517	ERJ3GEYJ303	M.RESISTOR CH 1/16W 30K	1	
R0518	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R0519,20	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	2	
R0521	ERJ3GEYJ752	M.RESISTOR CH 1/16W 7.5K	1	
R0522	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R0523	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R0524	ERJ3GEYJ752	M.RESISTOR CH 1/16W 7.5K	1	
R0525	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R0526	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1	
R0527	EVM7JSW30B12	V.RESISTOR 100	1	
R0528	ERJ3GEYJ155	M.RESISTOR CH 1/16W 1.5M	1	
R0529	ERJ3GEYJ302	M.RESISTOR CH 1/16W 3K	1	
R0530	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R0531	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R0532	ERJ3GEYJ752	M.RESISTOR CH 1/16W 7.5K	1	
R0533	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R0534	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R0535	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	
R0536	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R0537	ERJ3GEYJ751	M.RESISTOR CH 1/16W 750	1	
R0538	ERJ3GEYJ752	M.RESISTOR CH 1/16W 7.5K	1	
R0539	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R0540	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R0541,42	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	2	
R0543	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R0544,45	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	2	
R0546	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R0547	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R0548	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R0549	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R0550	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R0551,52	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R0553	ERJ3GEYJ391	M.RESISTOR CH 1/16W 390	1	
R0554	ERJ3GEYJ511	M.RESISTOR CH 1/16W 510	1	
R0555	EVM7JSW30B23	V.RESISTOR 2K	1	
R0556	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R0557	ERJ3GEYJ391	M.RESISTOR CH 1/16W 390	1	
R0558	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R0559	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R0563	EVM7JSW30B23	V.RESISTOR 2K	1	
R0565	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R0567	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	1	
R0570	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R0580,81	ERDS2TJ102	C.RESISTOR 1/4W 1K	2	
U0001	C0ABBA000025	IC	1	
U0101	TC4W53FU	IC	1	C0JBAR000113
U0301	TC4W53FU	IC	1	C0JBAR000113
U0501	TC4W53FU	IC	1	C0JBAR000113
■ E16	VEP80B98A	R SIDE P.C.BOARD	1	(RTL)
B1	BCR20H4	BUTTON BATTERY HOLDER	1	
C1	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C2	F1J0J475A006	C.CAPACITOR CH6.3V 1U	1	
C3-C5	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	3	
C6	ECEA0JSN470	E.CAPACITOR 6.3V 47U	1	
C7	ECEA1CSN4R7	E.CAPACTOR 16V 4.7U	1	
D1-D5	MA142WK-G	DIODE	5	
D6	MA142WA-G	DIODE	1	
D7-18	MA142WK-G	DIODE	12	
IC1	UPD16431AGC	IC	1	C0HBA0000023

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
P2	VEE0N21	R SIDE CABLE	1	
P3	K1MN18B00013	CONNECTOR	1	
P4	VEE0N23	MENU JOG CABLE	1	
P5	VJP1243T	CONNECTOR (MALE) 3P	1	
P6	VWJ12D5060AA	FLAT CABLE	1	
P7	VEE0N22	POWER SW CABLE	1	
QR1,R2	UNR511300L	TRANSISTOR	2	
R1	ERJ6GEYG331	M.RESISTOR CH 1/10W 330	1	
R4,R5	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	2	
R6	ERJ6GEYG331	M.RESISTOR CH 1/10W 330	1	
R7	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R8,R9	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	2	
R11-14	ERJ8GEY0R00	M.RESISTOR CH 1/8W 0	4	
R15	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R16	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R17	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R18	ERJ8GEY0R00	M.RESISTOR CH 1/8W 0	1	
R19-22	ERJ8GEYJ101	M.RESISTOR CH 1/8W 100	4	
R23	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R25-28	ERJ14YJ100	M.RESISTOR CH 1/4W 10	4	
R33-36	ERJ8GEYJ102	M.RESISTOR CH 1/8W 1K	4	
R37	ERJ8GEY0R00	M.RESISTOR CH 1/8W 0	1	
R38-42	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	5	
SW1	K0D122A00120	SWITCH	1	
SW2	K0D123A00060	SWITCH	1	
SW3	K0D122A00120	SWITCH	1	
SW4,W5	K0D123A00060	SWITCH	2	
SW6	K0D122A00120	SWITCH	1	
SW7	K0D123A00060	SWITCH	1	
SW8	K0D122A00120	SWITCH	1	
SW9	EVQQSB04B	SWITCH	1	
VR1,R2	VRV0080	V.RESISTOR	2	D2BCA14A0001
		MISCELLANEOUS		
	VWB0123	CLAMPER	1	
■ E17	VEP80B99A	SCENE FILE P.C.BOARD	1	(RTL)
C8	F1J0J475A006	C.CAPACITOR CH6.3V 1U	1	
D21-24	MA142WK-G	DIODE	4	
P9	VWJ07D5030AA	FLAT CABLE	1	
R30	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R31	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R32	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R43	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R44	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R45	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R46	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R47	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R48	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
SW11	EVQQS205K	SWITCH	1	
SW12	K0G119A00024	SWITCH	1	
VR3	D2BBC14Y0003	V.RESISTOR 10K	1	
		MISCELLANEOUS		
	VGQ6174	PUSH BUTTON HOLDER ANGLE	1	
	VMG1381	MONITOR VR RUBBER	1	

Components identified with the mark⚠have the special characteristics for safety.
When replacing any of these components, use only the same type.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
■ E18	VEP80C00A	SUTO IRIS P.C.BOARD	1	(RTL)
D19	LN48YCPP	LED	1	
SW13	EVQQS205K	SWITCH	1	
SW14	K0D123A00060	SWITCH	1	
SW15	EVQQS205K	SWITCH	1	
		MISCELLANEOUS		
	VGQ6174	PUSH BUTTON HOLDER ANGLE	2	
	VMX2126	LED SPACER	1	
■ E19	VEP80C01B	LED P.C.BOARD	1	(RTL)
D20	B3CKE0000005	LED	1	
P11	VWJ03D5065AA	FLAT CABLE	1	
		MISCELLANEOUS		
	VMX3083	LED SPACER	1	
■ E20	VEP80B94A	TOGGLE SW P.C.BOARD	1	(RTL)
P1	VJP1236T	CONNECTOR (MALE) 9P	1	K1KA09A00023
SW1-W3	K0E113A00005	SWITCH	3	
SW4	K0E112A00043	SWITCH	1	
■ E21	VEP80C02A	FRONT TOGGLE SW P.C.BOARD	1	(RTL)
L1-L5	J0JBC0000014	RILTER	5	
L6	J0JKC0000009	FILTER	1	
L7-L9	J0JBC0000014	RILTER	3	
P1	VJP1598T	CONNECTOR (MALE) 5P	1	K1KA05A00104
P2	VJP1230T	CONNECTOR (MALE) 3P	1	
P4	VJP3125B010	CONNECTOR (MALE)	1	K1KA10B00136
P5	K1MN20A00036	CONNECTOR (FEMALE)	1	
R2	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R4	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R5	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
SW1	VST0194	SWITCH	1	K0E132A00002
SW2	VST0195	SWITCH	1	K0E132A00003
		MISCELLANEOUS		
	VMP6783	P.C.BOARD HOLDER ANGLE	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
■ E22	VEP80C20A	REMOTE MAINTENANCE P.C.B.	1	(RTL)
C70-76	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	7	
IC70	THC4052FT	IC	1	
IC71	MAX3223CAP	IC	1	C0ZBZ0000220
P70	K1MN20A00036	CONNECTOR	1	
P71	VJP3969A009	CONNECTOR (MALE)	1	K1FA109A0005
R70	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R71,72	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R73	D1H84734A008	COMBI.R-R	1	
R76,77	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
SW70	VSS0557TB	SWITCH	1	K0N110A00021
■ E23	VEP80B96A	MENU JOG P.C.BOARD	1	(RTL)
J1	VJR1094	TERMINAL	1	
P1	K1KA07B00061	CONNECTOR (MALE)	1	
SW1	EVQQSB04B	SWITCH	1	
SW2	EVQWK4001	JOG ENCODER SW	1	
■ E24	VEP80B97A	POWER SW P.C.BOARD	1	(RTL)
SW16	VST0299	TOGGLE SWITCH	1	K0E112G00001
■ E25	VEP80C08A	BREAKER P.C.BOARD	1	(RTL)
L200	J0JJC0000006	FILTER	1	
L201,02	J0JHC0000016	COIL	2	
P200	VJP2824A002	CONNECTOR (MALE)	1	K1KA02A00009
P201	VJP2824A004	CONNECTOR (MALE)	1	K1KA04A00005
⚠ SW200	VSQ0834	CIRCUIT PROTECTOR	1	K5JDHB000002
		MISCELLANEOUS		
	VEE0N06	BREAKER CABLE	1	
■ E26	VEP00X87D	DC INPUT P.C.BOARD	1	(RTL)
D1	S3V40	DIODE	1	
		MISCELLANEOUS		
	VJP2717	CONNECTOR (MALE)	1	K1AA104H0021
	VEE0N07	DC INPUT CABLE	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
■ E27	VEP000U0A	HEAD PHONE P.C.BOARD	1	(RTL)
C700,01	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	2	F1H1H102A009
J700	VJJ0522	JACK	1	K2HC103B0082
L700,01	J0JBC0000023	FILTER	2	
■ E28	VEP80C12A	FRONT MIC P.C.BOARD	1	(RTL)
J600	VJS3417	CONNECTOR (FEMALE)	1	K1AB103A0007
P600	VEE0N19	FRONT MIC CABLE	1	
R600-03	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
■ E29	VEP80A74A	BACK TALLY P.C.BOARD	1	(RTL)
D1	TLRA116	DIODE	1	
SW1	VST0131	SWITCH	1	K0E122A00016
		MISCELLANEOUS		
	VEE9418	CABLE	1	
	VMX2126	LED SPACER	1	
■ E30	VEP000W0A	FILTER P.C.BOARD	1	(RTL)
L1,L2	J0JBC0000019	FILTER	2	
L3,L4	J0JHC0000016	COIL	2	
		MISCELLANEOUS		
	VEE0Q39	ANTON A CABLE ASS'Y	1	
	VEE0Q40	ANTON B CABLE ASS'Y	1	
	VEE0Q41	BATT A CABLE ASS'Y	1	
	VEE0Q42	BATT B CABLE ASS'Y	1	

1. Service Menu

1-1. Method of Displaying Service Menu Main Page

Set the WHITE BAL SW to “PRST” and OUT PUT SW to “BARS”.

Press the MENU button so that view finder display is ON.

Turn the AUTO W/B BAL SW to AWB side and hold it. Press the MENU button once and release.

Release the AUTO W/B BAL SW. Press the JOG dial button three times to enter SERVICE menu.

1-1-1. MAIN menu

```
→ NEXT **** SERVICE ****
      FLARE/GAMMA..
      WHITE SEADING..
      DEFECT COMPENSATION
      VTR SERVICE 1/2..
      VTR SERVICE 2/2..
      INITIALIZE..
      EVR DATA..
      ERROR LOG..
      SERVICE VERSION..
      FACTORY INITIALIZE..
```

Each item in the MAIN menu is the index to open the SUB menu of the item.

1-1-2. SUB menu [FLARE/GAMMA]

```
→▲< FLARE/GAMMA >

      R FLARE          :100
      G FLARE          :100
      B FLARE          :100
      R GAMMA          :+00
      B GAMMA          :+00
      R GAIN           :+00
      B GAIN           :+00
      WHITE CLIP       :105%
      M.PED ADJ        :+00
```

Menu contents [FLARE/GAMMA]

Item	Variable Range	Initial value	Content
R FLARE	-128 to +127	+00	Varying Rch flare
G FLARE	-128 to +127	+00	Varying Gch flare
B FLARE	-128 to +127	+00	Varying Bch flare
R GAMMA	-15 to +15	+00	Varying Rch gamma
B GAMMA	-15 to +15	+00	Varying Bch gamma
R GAIN	-30 to +30	+00	Varying Rch gain
G GAIN	-30 to +30	+00	Varying Bch gain
WHITE CLIP	95% to 110%	105%	White Clip Adjustment
M.PED ADJ	-10% to +10%	+00%	Master Pedestal Adjustment

1-1-3. SUB menu [WHITE SHADING]

```
→▲< WHITE SHADING >

      WHITE SHADING     :READY
      WHITE COMPE       :READY
```

Menu contents [WHITE SHADING]

Item	Content
WHITE SHADING	Activating AUTO WHITE SHADING
WHITE COMPE	Activating White Shading Compensation

1-1-4. SUB menu [CAMSYS MENU]

```
→ ▲< CAMSYS MENU >

    DEFECT COMPENSATION  :OFF
    RAM EDITOR           :OFF
    AUTO ADJUST          :OFF
```

Menu Contents [CAMSYS MENU]

Item	Variable Range	Initial Value	Content
DEFECT COMPEN-SATION	ON / OFF	ON	DEFECT COMPENSATION MENU ON / OFF
RAM EDITOR	ON / OFF	ON	RAM EDITOR MENU ON / OFF
AUTO ADJUST	ON / OFF	ON	AUTO ADJUST MENU ON / OFF

This menu is used when servicing.
Settings are always ON when normal use.

1-1-5. SUB menu [VTR SERVICE 1/2]

```
→ ▲< VTR SERVICE 1/2 >

    CONCEAL          :ON
    INNER ECC        :ON
    OUTER ECC        :ON
    VITERBI          :ON
    BER ADJ          :ON
    BER SPEED        :SLOW
    BER RESULT       :2.7 3.4
    AUTO EQ          :ON
    AUTO ADJ         :OFF
    SERVO MODE       :ATF
    TRK VAL          :+000
```

Menu contents [VTR SERVICE 1/2]

Item	Variable range	Initial value	Content
CONCEAL	ON/OFF	ON	Concealment
INNER ECC	ON/OFF	ON	Inner error correction
OUTER ECC	ON/OFF	ON	Outer error correction
VITERBI	ON/OFF	ON	Viterbi detection/ decoding
BER ADJ	ON/OFF	OFF	Error rate detection
BER SPEED	SLOW :60 flames FAST :10 flames	SLOW	Error rate detection mode
BER RESULT	Lch/Rch	------	Switching error rate display
AUTO EQ	ON/OFF	ON	AUTO EQ
AUTO ADJ	ON/OFF	OFF	Automatic Adjustment of equalizer
SERVO MODE	ATF/CTL	ATF	Servo mode selection
TRK VAL	-128 to +128	+000	Tracking VR

1-1-6. SUB menu [VTR SERVICE 2/2]

```
→▲< VTR SERVICE 2/2 >

    T TORQUE         :0
    S TORQUE         :0
    PG SHIFT         :READY
    HSW_A_RISE       :1564
    HSW_A_FALL       :1564
    RP GAIN          :-40
    RP LIN           :OFF
    T/S PHOTO        :T0.0V/S0.0V
    SERVO MODE       :ATF
    TRK VAL          :+000
    X VAL SET        :OFF
    X VAL ADJ        :+000
```

Menu contents [VTR SERVICE 2/2]

Item	Variable range	Initial Value	Content
T TORQUE	+ 000	------	T-side reel torque adjustment
S TORQUE	+ 000	------	S-side reel torque adjustment
PG SHIFT	READY/ ACTIVE/ OK	------	PGMM adjustment
HSW_A_ RIZE	0 to 4096	1565	Display of PGMM adjustment Result

Item	Variable range	Initial value	Content
HSW_A_FALL	0 to 4096	1565	Display of PGMM adjustment Result
PR GAIN	-128 to +128	0	ATF gain adjustment
PR LIN	OFF/ON	OFF	ATF linearity
T/S PHOTO	-128 to +128	0.0V to 3.3V	Photo sensor level display
SERVO MODE	ATF/CTL	-	Servo mode selection
TRV MODE	-128 to +128	-	Tracking VR
X VAL SET	OFF/ON	-	Electrical Adjustment of the X-value
X VAL ADJ	-128 to +128	-	Measurement of the X-value

1-1-7. SUB menu [INITIALIZE]

```
→ ▲< INITIALIZE >

   DRUM RUN RESET    :READY
   THREADING RESET   :READY
```

Menu contents [INITIALIZE]

Item	Content
DRUM RUN RESET	DRUM RUN hour meter reset
THREADING RESET	THREADING hour meter reset

1-1-8. SUB menu [EVR DATA]

```
→ ▲< EVR DATA >
     (01)XX  (02)XX  (03)XX  (04)XX
     (05)XX  (06)XX  (07)XX  (08)XX
     (09)XX  (0A)XX  (0B)XX  (0C)XX
     (0D)XX  (0E)XX  (0F)XX  (10)XX
     (11)XX  (12)XX  (13)XX  (14)XX
     (15)XX  (16)XX  (17)XX  (18)XX
     (19)XX  (1A)XX  (1B)XX  (1C)XX
     (1D)XX  (1E)XX  (1F)XX  (20)XX
     (21)XX  (22)XX  (23)XX  (24)XX

   D/A ADDRESS          :01
   D/A DATA             :XX
```

Menu contents [EVR DATA]

Item	Content
D/A ADDRESS	Data address
D/A DATA	Data value

1-1-9. SUB menu [ERROR LOG]

```
→ ▲< ERROR LOG >
     FILE No.          :1
     LOG ALL CLEAR     :OFF
     ERR CODE/SEQ      :E-** **
     DATE              :2001.01.01
     TIME              :12:34:56
     OPE TIME          :000000Hr
     TAPE TOTAL        :200min
     TAPE REMAIN       :100min
     BATTERY           :1
     OBJ/MODE          000012:34:50
     000012:34:52      000012:34:50
     000012:34:56      000012:34:55
```

Menu contents [ERROR LOG]

Item	Variable range	Content
FILE No.	1 to 5/OFF	File No.
LOG ALL CLEAR	ON/OFF	ON: Deleting LOG DATA
ERR CODE /SEQ	E-** **	Error code, Sequence No.
DATE	2001.01.01	YY. MM. DD
TIME	12:34:56	Time
OPE TIME	000010Hr	Operating time
TAPE TOTAL	200min	Total length of tape
TAPE REMAIN	100min	Remaining amount of tape
BATTERY	1:Normal 1-F:Near End 7-F:End	The amount of battery rest
OBJ/MODE	000012:34:50	1st & 2nd digits OBJECT 3rd & 4th digits MODE 5th to 12th digits Time of occurrence

1-1-10. SUB menu [SERVICE VERSION]

```
→ ▲< SERVICE VERSION >
   VTR SOFT REV.          :V*.****a
   E600 Ver               :AWE***
```

Menu Contents [SERVICE VERSION]

Item	Variable range	Content
VTR SOFT REV.	V*.****a	"VTR SYSTEM CONTROL" Software Version
E600 Ver	AWE***	"CAMERA SYSTEM CONTROL" Software Version

1-1-11. SUB menu [FACTORY INITIALIZE]

```
→ ▲< FACTORY INITIALIZE >
   SYSTEM FULL INIT       : READY
```

Menu Contents [FACTORY INITIALIZE]

Item	Content
SYSTEM FULL INIT	Initializing all system data

2. Method of Checking Error Rate

The error rate of this unit can be checked by the following steps:

(1) Set the following items in SUB menu [VTR SERVICE 1/2] as follows:

Setting	
CONCEAL	OFF
INNER ECC	OFF
OUTER ECC	OFF
BAR ADJ	ON
VITERBI	ON
BER ADJ	ON
BER SPEED	SLOW
AUTO EQ	ON
SERVO MODE	ATF

(2) Measure BAR RESULT in SUB menu [VTR SERVICE 2/2] under the following operating conditions:

Measuring condition	Error rate spec.	
	L ch	R ch
Color bar alignment tape Playback	3.5 or less	3.5 or less
Camera color bar self recording/playback		

(Caution) If the measured BAR RESULT is out of specification (3.5 or less), the error rate display blinks.

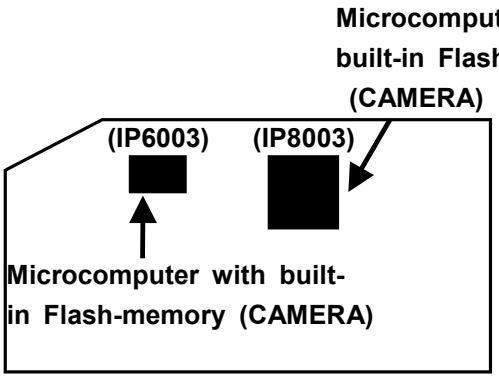
3. Method of Displaying Software Version and Hour Meter

Method of Updating Software

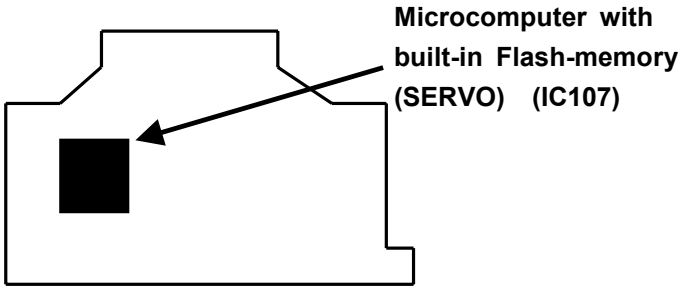
MAIN P.C.B. and SERVO P.C.B. (VTR SYSCON, SERVO, and CAMERA) have the microcomputers with built-in flash memory.

To update the microcomputer software version, flash memory version up software for each is used.

MAIN P.C.B. (parts side)



SERVO P.C.B. (parts side)



3-1. Preparation for the updating

3-1-1. Parts needed for writing the flash memories

Flash memory version up software

System control microcomputer →**"VFK1248E"**

Servo control microcomputer →**"VFK1503"**

Camera control microcomputer →**"FWC2"**

Personal computer with Microsoft Windows® 95/98

RS-232C cable (9-pin cross cable)

3-1-2. Installing the flash memory version up software for the updating

Make a copy of the contents of above version up software under an arbitrary directory of the personal computer. (After the files have been executed, "INI" files may be created under the same directory as the program files. The "INI" files can be either left as they are or deleted.)

Program files

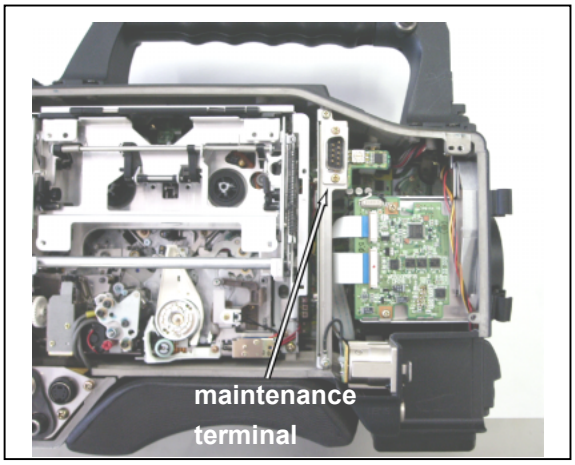
System control microcomputer → **"VSI2312E.EXE"**

Servo control microcomputer → **"fw103u.exe"**

Camera control microcomputer → **"FWC2.exe"**

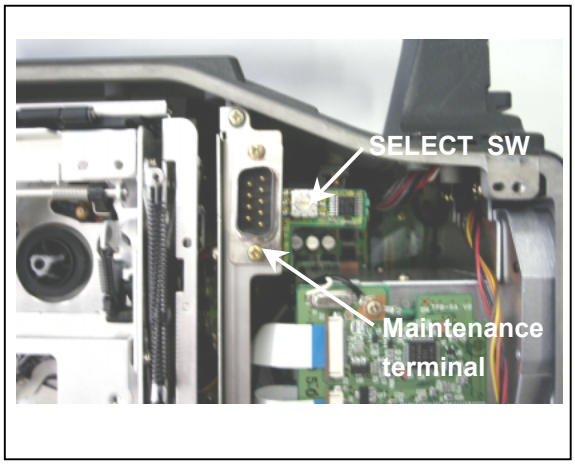
3-1-3. Cable connection

Turn off the power for the main unit, and connect the maintenance terminal on the lateral side of the main unit and the microcomputer with the RS-232C cable (9-pin cross cable).



3-1-4. Setting WRITE SELECT SW

Change the setting of WRITE SELECT SW above the maintenance terminal according to the flash memory to be written.



Number	Name	Functional description
0	NORMAL	Connection OFF position
1	CAMERA WR 1	Writing camera software (1)
2	CAMERA WR 2	Writing camera software (2)
3	SERVO WR	Writing servo software
4	VTR RESERVE	(VTR reserve)

5	VTR WR	VTR system control software
6	SERVO RESERVE	(Servo reserve)
7 to 9	NC	Not used.

(Notes)

In the normal state (after the writing has been finished and power turned OFF), set the position to "0".

Do not change the setting of the SELECT SW during the normal operation.

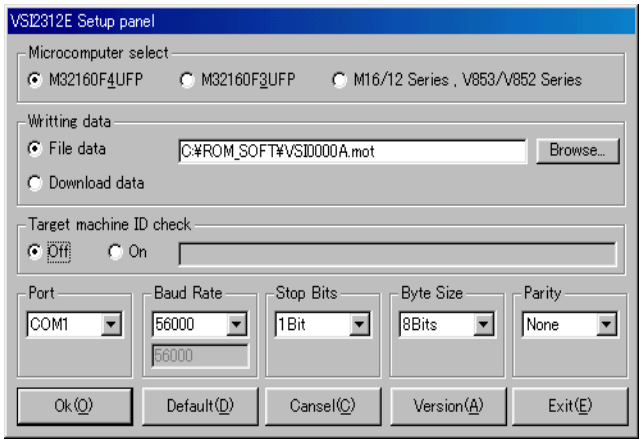
Do not turn off the power or disconnect the cable while writing the software.

Do not change the setting of the SW to other than the position 1 and 2 while writing the software.

Do not change the setting of the SW to other than the specified set position while writing the software.

3-2. Procedures of writing VTR system control software

1. Make sure that the power of the Camera/VTR is turned OFF.
2. Change the setting of the WRITE SELECT SW to "5".
3. Connect the personal computer and the Camera/ VTR with the RS-232C cable (9-pin cross cable).
4. Turn ON the power for the Camera/VTR.
5. Press EJECT button and make sure that the cassette does not lift up at that time. (If the cassette lifts up, check whether the cable is properly connected and the SW is set to the right position.)
6. Start the flash-memory version up software "VS12312E.EXE". (Double-click the program file "VS12312E.EXE" that was copied under the arbitrary directory.)
7. After the program file has up, VSI2312E Setup Panel window opens.

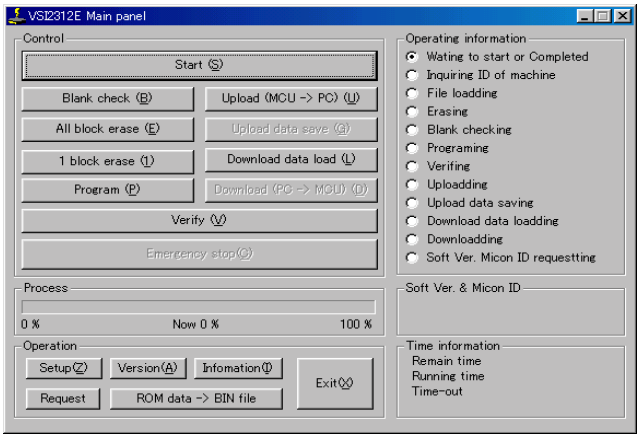


8. Make the following settings in the "VSI2312E Setup Panel" window:

- Microcomputer Select →**"M32160F4UP"**
- Writing data →**"*******.mot"**

(By using "Browse" button.., select a update file, MOT file.)

- Port →**"232C connection port"**
- Baud Rate →**"56000"**
- Stop Bits →**"1Bit"**
- Byte Size →**"8Bits"**
- Parity →**"None"**



9. Click "Start(S)" button on the "VSI2312E Main Panel" window.
   (If this process is to be stopped, click "Exit(X)" button. When returning to "VSI2312E Setup Panel" window, click "Setup(Z)" button.)
10. After the flash memory has been erased, the new software is written in. During the writing process, the proceeding of the writing can be confirmed in the Process indicator. If the writing does not proceed for any reason, click "Emergency stop(C)" button to stop the processing, and check the connection and the settings again.
11. When the flash memory has been erased and written in, the Process indicator reaches 100%, and "Waiting to Start or Completed" message in the "Operating information" section is checked.
12. Turn OFF the power for the Camera/VTR, disconnect the cable, and return the WRITE SELECT SW to its original position "0".
13. Confirm that the version of the new software is indicated at DIAG menu.

3-3. Procedures of writing SERVO control software

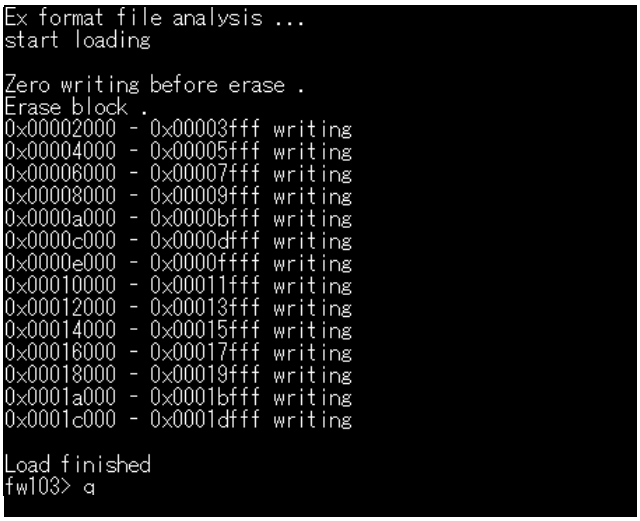
1. Make sure that the power for the Camera/VTR is turned OFF.
2. Change the setting of the WRITE SELECT SW to “3”.
3. Connect the personal computer and the Camera/ VTR with the RS-232C cable (9-pin cross cable).
4. Turn ON the power for the Camera/VTR.
5. Press EJECT button and make sure that the cassette does not lift up at that time. (If the cassette lifts up, check whether the cable is properly connected and the SW is set to the right position.)
6. Copy the servo version up software (VFK1503) and the new servo microcomputer software into the same directory of the personal computer. (The following four files.)

   Version up software (VFK1503) “fw103u.exe”
   Servo microcomputer software “vsiXXXX.obf”
   “vsiXXXX.bat”
   ”vsiXXXX.ex”

7. Double Click the **“VSIXXXX.bat”** file at the explorer window to start flash memory update.
8. When the following window appears, type “Y” and click ENTER button. (While the program is being written in, the proceeding is indicated on the personal computer screen.)



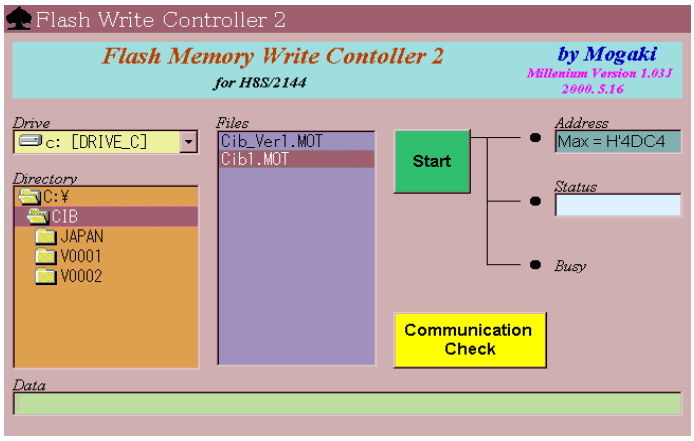
9. When “Load finished” message appears, the writing has been completed.



10. Turn OFF the power for the Camera/VTR, disconnect the cable, and return the WRITE SELECT SW to its original position “0”.
11. Confirm that the version of the new software is indicated at DIAG menu.

3-4. Procedures of writing Camera control software

1. Make sure that the power for the Camera/VTR is turned OFF.
2. Change the setting of the WRITE SELECT SW to “1”.
3. Connect the personal computer and the Camera/ VTR with the RS-232C cable (9-pin cross cable).
4. Turn ON the power for the Camera/VTR.
5. Press EJECT button and make sure that the cassette does not lift up at that time. (If the cassette lifts up, check whether the cable is properly connected and the SW is set to the right position.)
6. Start the flash-memory version up software “FWC2.exe”.
7. After the program file has started up, “Flash Write Controller 2” window opens.
8. Select a new Camera control software, MOT file, and read it in. After the file has been read in, Start button appears.



9. Clicking “Communication Check” button changes the color from yellow to green and the remark changes to “Check O.K”. Now, the preparation for writing the software has been completed. (If the color and the remark do not change, check the hardware. Because another communication software may be using the communication port, exit all the other communication software.)
10. After the “Check O.K.” remark has appeared, turn the WRITE SELECT SW to “2”, and click “Start” button to start the writing. The remark change during the writing as follows:

Address:	Indicates the write address during the writing at green.
Status:	Indicates the writing status. “Go” means the data reception is possible.
Busy:	If the data transmission stops for a long time, Busy becomes yellow.
Data:	Data transmitted in the serial communication during the writing.

11. When the writing has completed, “Write O.K.” message appears in blue at the Status field, and “Check O.K.” button changes to yellow.
12. Turn OFF the power for the Camera/VTR, disconnect the cable, and return the WRITE SELECT SW to its original position “0”.
13. Confirm that the version of the new software is indicated at DIAG menu.

(Notes)

1. Turn off the screen saver of the personal computer.
2. Exit the software in which messages appear at the foremost of the screen (E-mail arrival, and the like).
3. Do not touch the personal computer or the Camera/VTR after starting the writing.
4. Never turn off the power for the personal computer or the Camera/VTR while writing software.
5. If any ERROR appears, click the writing software with the mouse to bring it forward without making haste, and click “Start” button. Never exit the writing software.

4. Emergency Eject

In the event that a cassette is not ejected by pressing EJECT button, take the following Emergency Eject procedures.

1. Turn OFF the power.
2. Remove the rubber cap and insert a Phillips Screwdriver to the cross-shaped recess of the EMERGENCY screw (red) as shown in the figure below:



3. While pushing the EMERGENCY screw with the screwdriver, turn the screw counterclockwise until the cassette is ejected.
   - The screw must be turned about 20 turns before the tape unloading begins.
   - The screw must be turned about 90 turns from the beginning of the tape unloading to the cassette eject.
4. Take out the cassette.
5. Attach the rubber cap again.

<Caution>

- Do not turn the EMERGENCY screw except in emergency.
- Do not turn the EMERGENCY screw clockwise. Also, do not turn the screw farther after the cassette has been ejected. Otherwise, the mechanism may be broken down.
- After the cassette has been ejected, the cassette holder can not be locked even if it is pushed to close. Turn on the power to reset the action of the mechanism, and then close the cassette holder.
- Click sounds occur during the time when the EMERGENCY screw is turned. These sounds occur while the reel is driven and they are not abnormal.

5. CPLD Version Upgrade Procedures

The AJ-D410AP uses **CPLDs**. At the time of a version upgrade, use the special tool, connect the respective connection connectors, and use the CPLD writing software.

5-1. CPLD Version up Method 1 (ALTERA)

A. Preparation

ITEM	REMARK
C PLD WRITER	VFK1590 VFK1590P2 (VFK1590 standard)
D-sub 25pin-25pin Cable	Straight (Male - Female), Length : Within 1meter
Version Upgrade Software	MAX+plus II Software (Please Download from www.altera.com/support/devices/programing/sup-asap2.html)
Version Upgrade Data	TDF File or POF (Include in “vsi xxxx” file)
Personal Computer	WINDOWS 95® or 98®

B. Connection

1. Connect the D-sub Cable between CN201(for ALTERA) connector of the CPLD WRITER (VFK1590) and Personal Computer (Printer port).
2. Connect the CPLD WRITER Cable (VFK1590P2) between P17 connector on MAIN PCB of AJ-D410AP and P2 connector of CPLD WRITER. (Refer to Figure 2-2-2.)
3. Turn on AJ-D410A and Personal Computer (Windows mode).

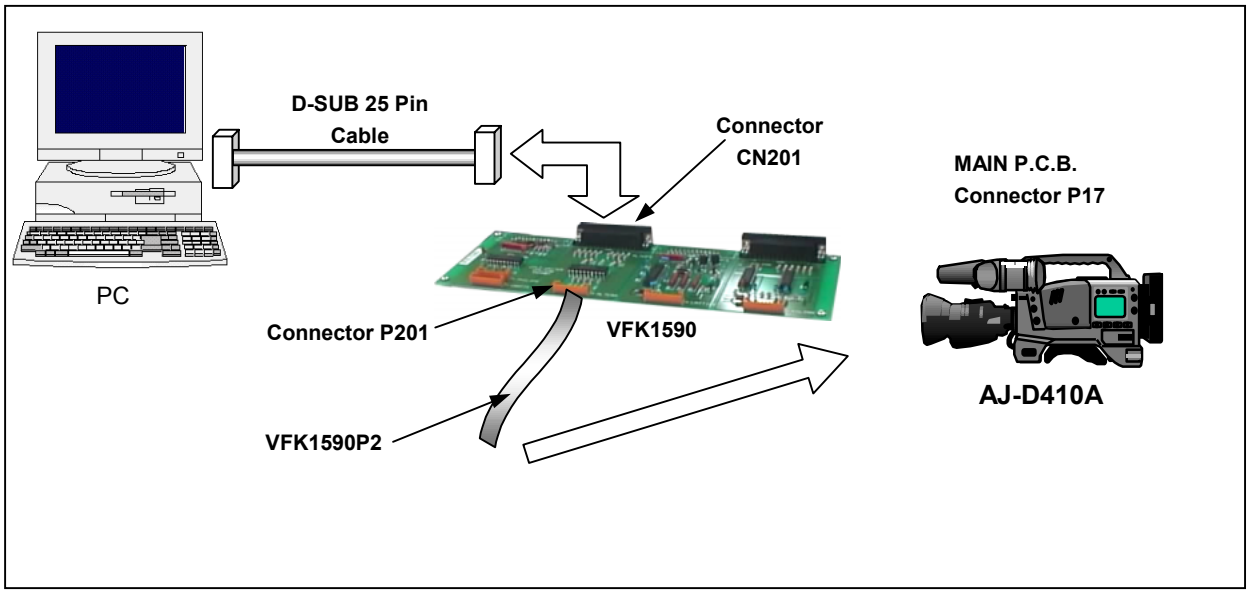
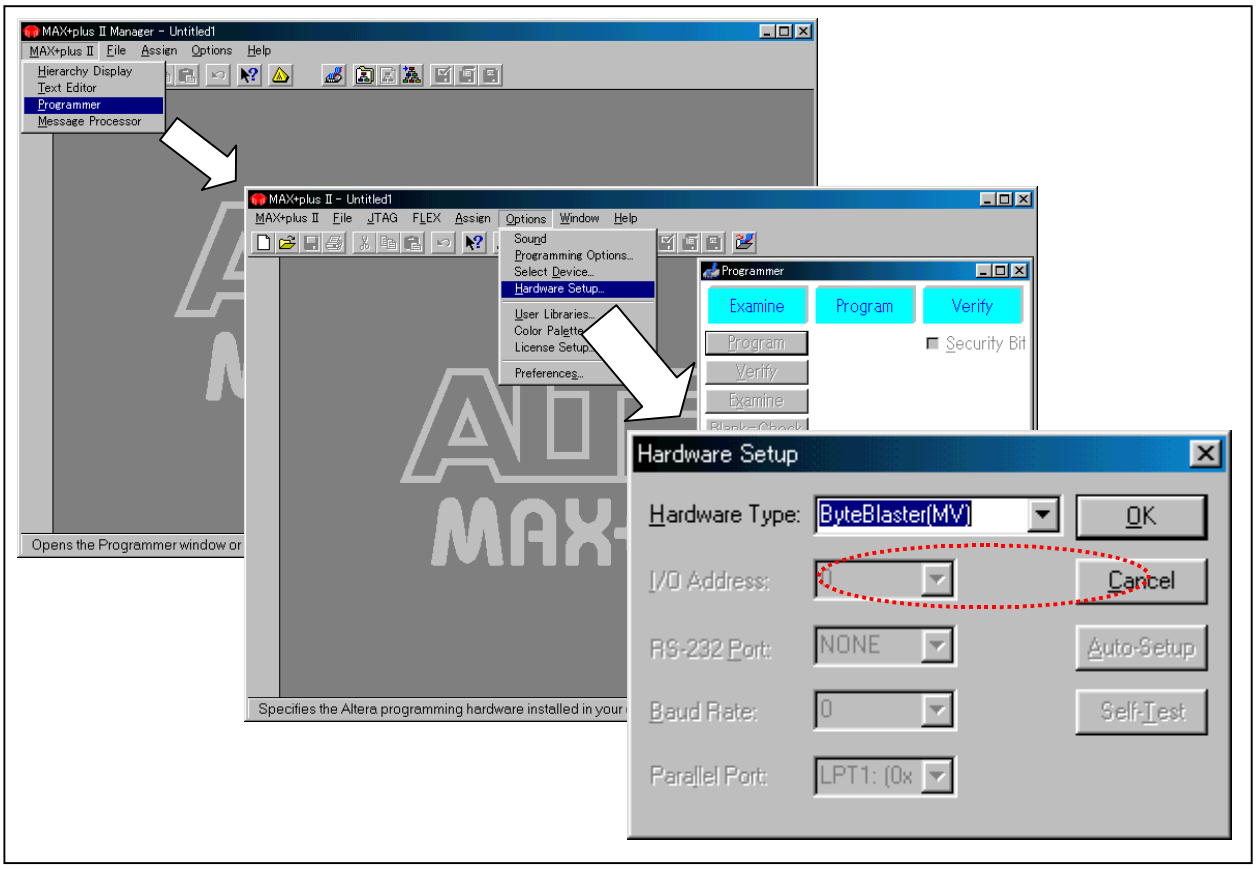


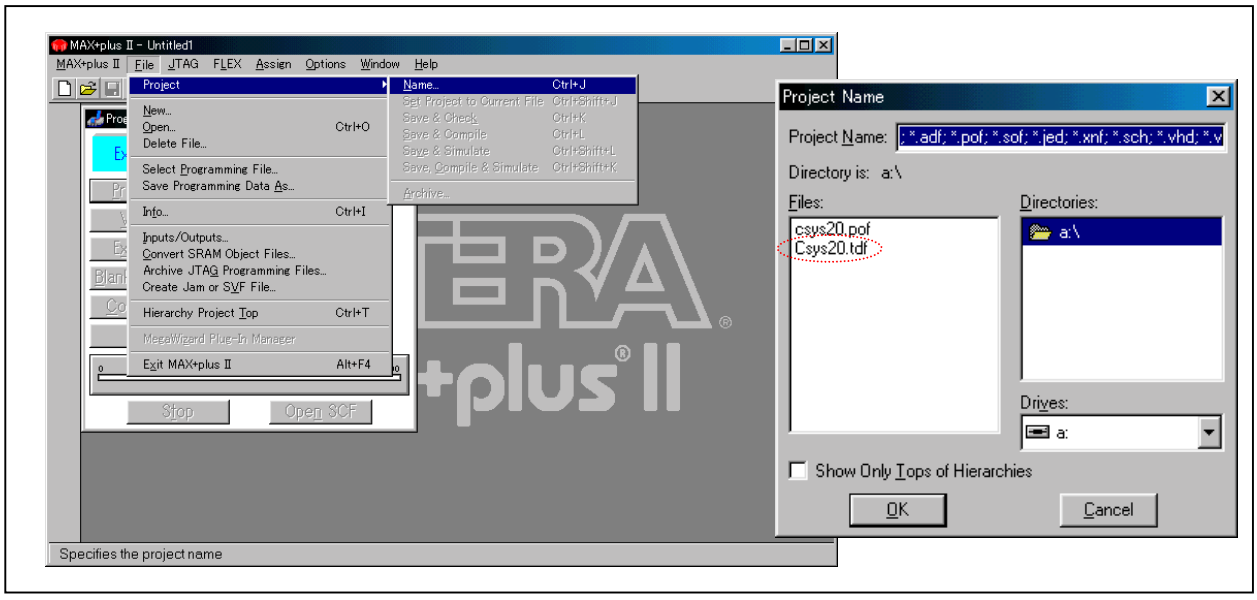
Figure 2-2-2 Connection for CPLD version up

C. Boot up the Ver. up Software and Ver. up Procedure

1. Boot up the **"MAX+plus II 9.6 programmer only"** Software.
2. On main window, select tab **"MAX+plus II"** and then **"Programmer"**.
3. On main window (Programmer window is displayed), select tab **"Option"** and then **"Hardware Setup"**.
4. On **Hardware Setup** dialog, set the **"Hardware Type"** to **"Byte Blaster (MV) "**.



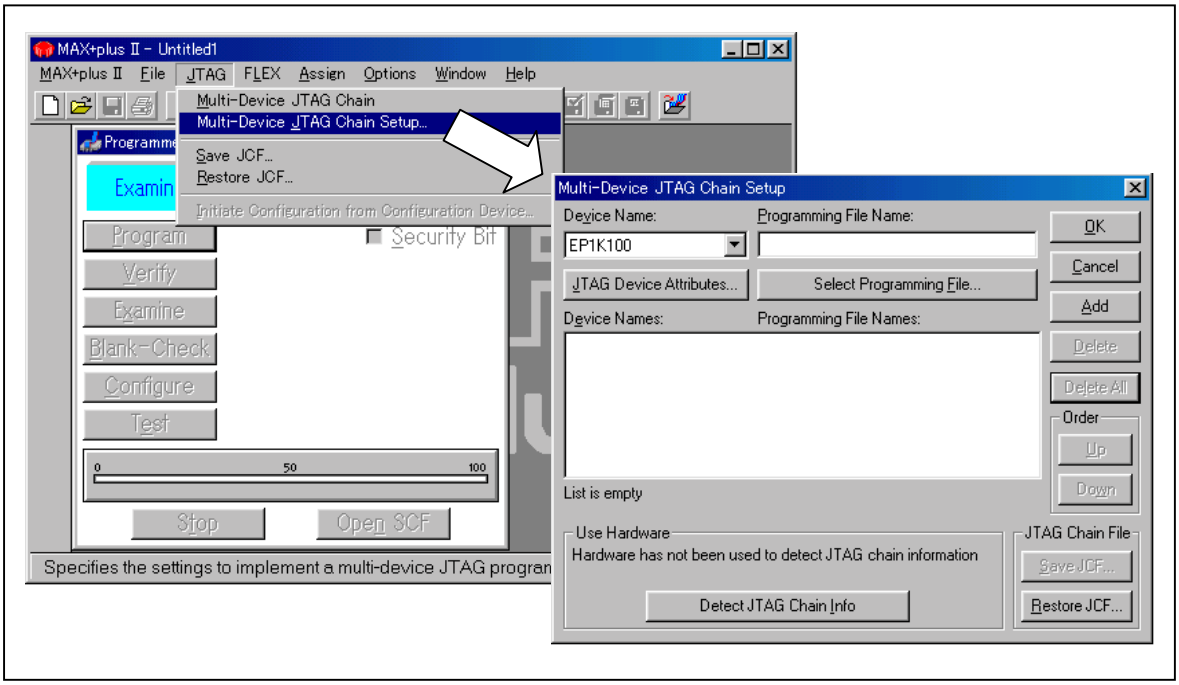
5. On main window, select tab **"File"**, **"Project"** and then **"Name"**.
6. On dialog of **Project Name**, select the **"tdf format file"** or **"pof format file"** and then press **"OK"** button.



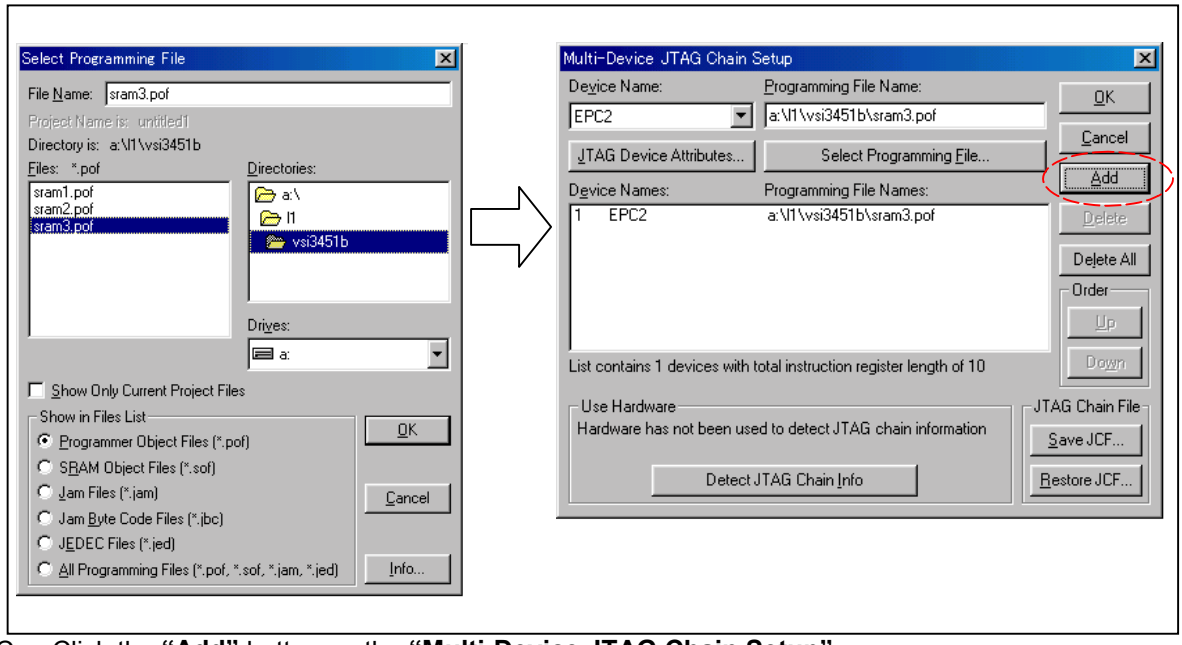
<Reference : Creation of chain file>

Use a **"chain file (in jcf format)"** for write-operation when a PCB includes several PLDs.
If no chain file has been created, create a chain file by the following procedures. (Example of L1 PCB)

A. Select **"Multi-Device JTAG Chain Setup"** on the main screen to display the **"Multi-Device JTAG Chain Setup"** screen.

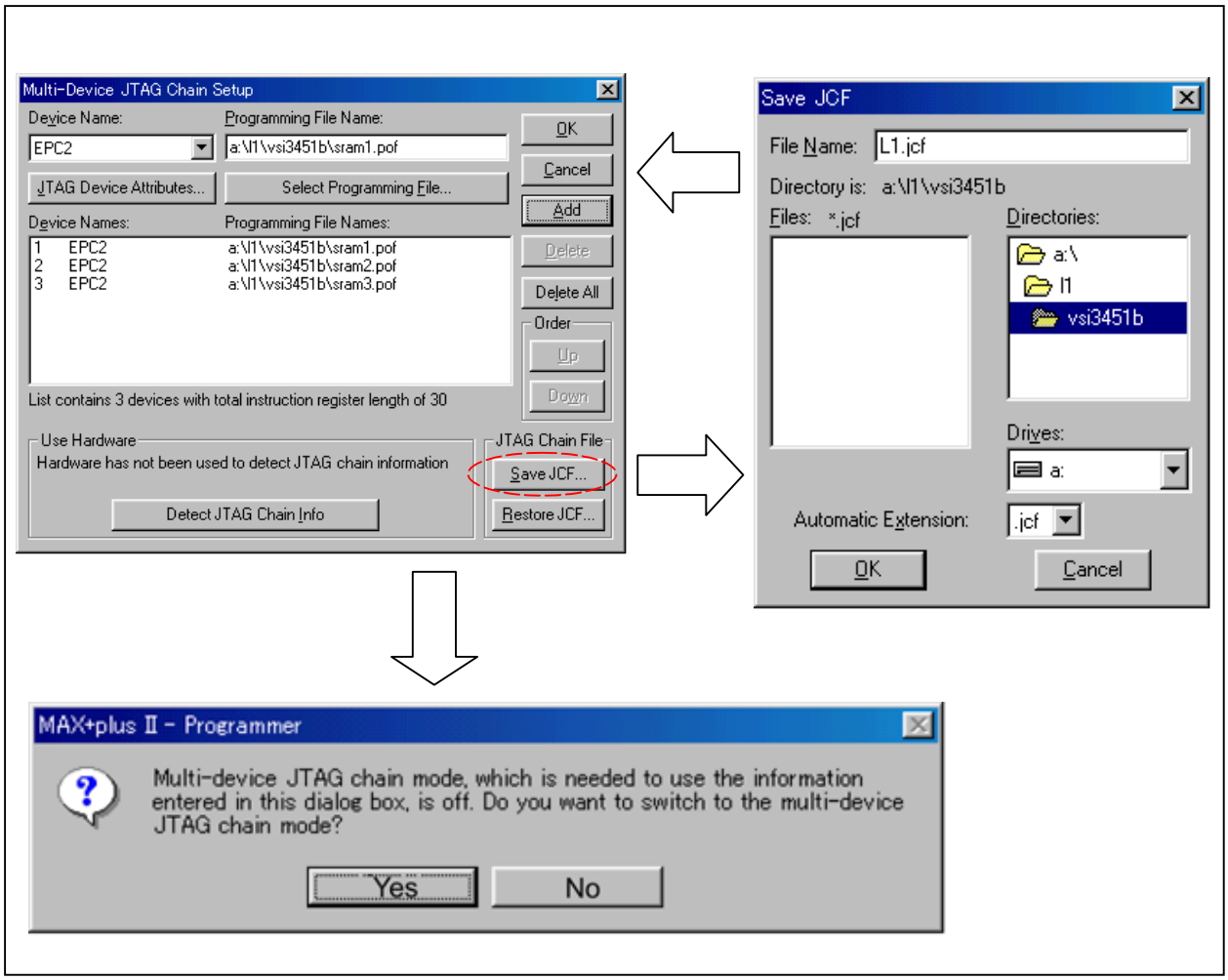


B. Click the **"Select Programming File"** button to display the **"Select Programming File"** screen. Next, select the drive which has software, and select the **"pof"** file. If three pof files can be seen as shown below, select a file in order of larger number, and click the **"OK"** button. Then, the **"Multi-Device JTAG Chain Setup"** screen is displayed.

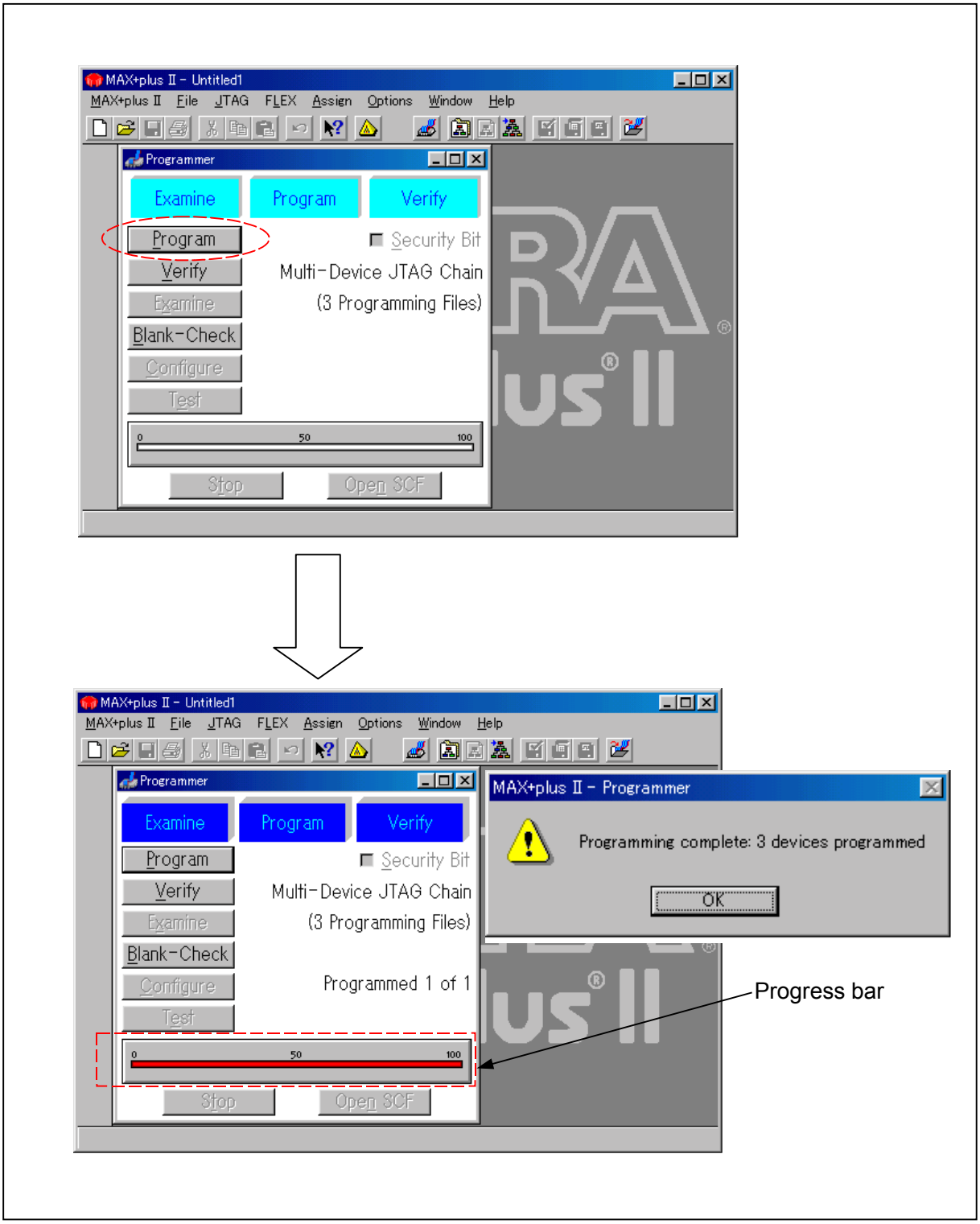


C. Click the **"Add"** button on the **"Multi-Device JTAG Chain Setup"** screen.

D. Repeat the steps 2 and 3 to capture the **"pof"** file.
E. Click the **"Save JCF"** button. Then, the **"Save JCF"** screen is displayed.
F. Enter a file name, and click the **"OK"** button.
G. Click the "OK" button on the **"Multi Device JTAG Chain Setup"** screen. Then, the following message is displayed : Multi-device JTAG chain mode, which is needed to use the information entered in this dialog box, is off. Do you want to switch to the multi-device JTAG chain mode ?
When this message is displayed, click **"YES"**.



7. Click the **“Program”** button on Programmer dialog.
8. When Progress Bar reaches at point of **100**, the message “Programming Complete” appears, then PLD version upgrade is completed. Click **“OK”** button on the **Programming complete** message Dialog.



* MAX+PLUS are registered trademarks of Altera Corporation.

* Windows95 and Windows98 are registered trademarks of Microsoft Corporation.

6. CCD White blemishes compensation

Procedures of compensating CCD white blemishes.

Preparation

To set HIGH GAIN to 30dB, take the following procedures.

1. Connect a monitor TV to the VIDEO OUT, and turn ON the power.
2. Press the MENU button to display the SCENE menu.
3. While the "→" is located at NEXT position, press the JOG dial button to select MAIN 1/2 menu. (If the "→" is not located at NEXT position, move it by rotating the JOG dial button.)

```
→NEXT∗∗∗∗  MAIN 1/2  ∗∗∗∗

  DATA READ/WRITE . .
  SW MODE . .
  VIDEO IN/OUT . .
  VTR FUNCTION . .
  VTR OPTION . .
  BATTERY . .
  MIC AUDIO . .
  LENS SHADING . .
```

4. Move the "→" to select SW MODE and press the JOG dial button.

```
→▲<SW MODE>

  LOW GAIN      : 0dB
  MID GAIN      : 9dB
  HIGH GAIN     : 18dB
  ATW           : OFF
  SUPER V       : OFF
  QUICK FOCUS : ENABLE
  FULL AUTO     : ENABLE
  SCENE FILE    : ENABLE
```

5. Take a note of HIGH GAIN setting, so that it can be return to original setting before return to customer.
6. Select the HIGH GAIN and press the JOG dial button. (Current setting blinks)
   Change it to 30dB and press the JOG dial button to set the change.
7. Press the MENU button to finish the preparation.
8. Connect a monitor TV. Set the GAIN SW to "H" position and confirm whether there are white blemishes.
   When there are white blemishes, perform the following procedures.

White blemish compensation procedures

1. Set the SW position as follows;
   WHITE BAL SW : PRST
   OUTPUT SW : BARS
2. Press the MENU button so that view finder display is ON.
3. Turn the AUTO W/B BAL SW to AWB side and hold it.
4. Press the MENU button once and release.
5. Release the AUTO W/B BAL SW.
   (SCENE menu is displayed.)
6. Press the JOG dial button three times to enter SERVICE menu.

```
→NEXT∗∗∗∗  SERVICE  ∗∗∗∗

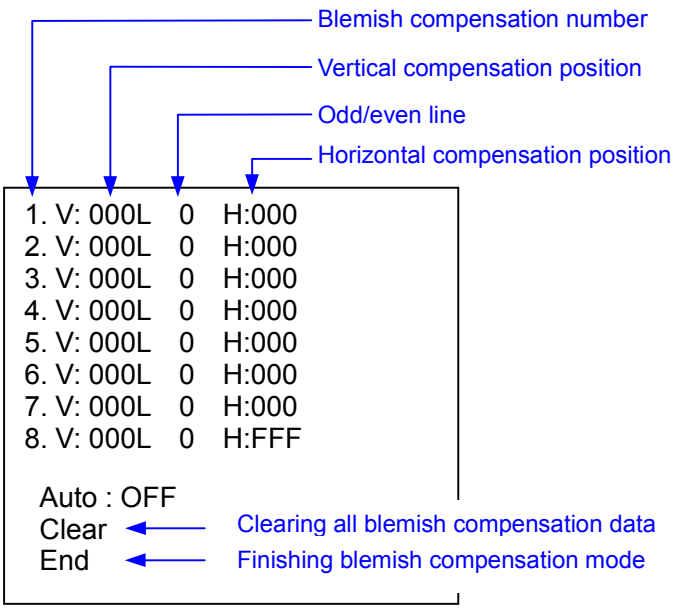
  FLARE/GAMMA . .
  WHITE SHADING . .
  CAMSYS MENU . .
  VTR SERVICE 1/2 . .
  VTR SERVICE 2/2 . .
  INITIALIZE . .
  EVR DATA . .
  ERROR LOG . .
  DIF STATUS . .
  SERVICE VERSION . .
  FACTORY INITIALIZE . .
```

7. Enter the CAMSYS MENU and move the "→" to DEFECT COMPENSATION then press the JOG dial button. (The "OFF" blinks.)

```
→ ▲ <CAMSYS MENU>

  DEFECT COMPENSATION : OFF
  RAM EDITOR          : OFF
  AUTO ADJUST         : OFF
```

8. Rotate the JOG dial button upward.
   The White blemish compensation menu appears.



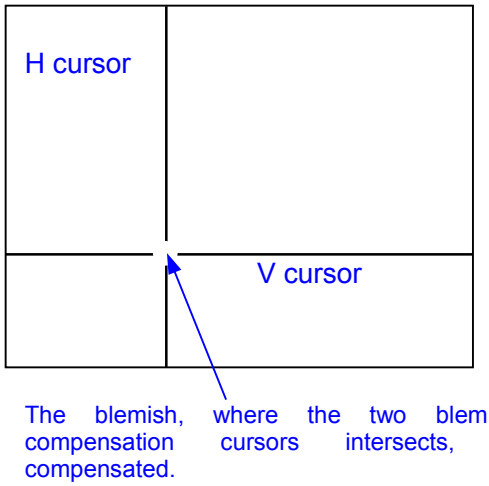
9. When there is the value at the Vertical / Horizontal compensation position more than 31F in hexadecimal, clear it as follows.

   a. Rotate the JOG dial button to move cursor (blinking letters) to the **Clear**.
   b. In the above condition, rotate JOG dial button upward while pressing QUICK FOCUS button. The data will be cleared.

10. Select the blemish compensation number with JOG dial button.
11. Set the BARS/CAM switch of the AJ-D410AP from the CAM position to the BARS position. The character display (blemish compensation menu) will disappear and the Cursor screen will appear. The cursors may be positioned outside the display area. In this case, move the cursors to the position, with MODE CHECK, QUICK FOCUS and JOG dial buttons.

   Move the V cursor in the vertical direction
   Rotate JOG dial button while pressing MODE CHECK button.

   Move the H cursor in the horizontal direction
   Rotate JOG dial button while pressing QUICK FOCUS button.



12. Connect a monitor TV to the CAM OUT.
13. Observe the CAM OUT, and move the H cursor and the V cursor to the position of blemish. When the intersecting point of two cursors comes onto the position of blemish, the blemish is compensated.
14. Return the BARS/CAM switch to the CAM position after compensating the blemish. (The blemish compensation menu will appear again. This is not displayed on the CAM OUT, so confirm it on the VIDEO OUT.)
15. When compensating the next blemish, repeat the above steps 10-14.
16. After completing compensation of blemishes, rotate the JOG dial button to move cursor (blinking letters) to the **END**.
    In this condition, rotate JOG dial button upward while pressing the QUICK FOCUS button to finish "White blemish compensation procedures".
17. Return the setting of the menu item HIGH GAIN to the value, which has been noted down before performing “White blemish compensation procedures”. (Refer to the Preparation 5.)
18. Turn off the power.

7. AUTO OFF LIST

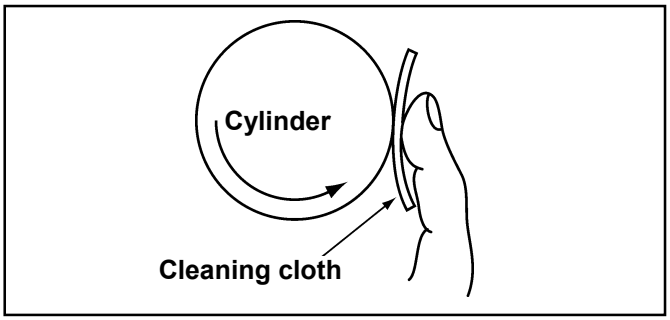
Code	Auto-Off condition
E-04	• Failure of the pinch-roller solenoid or reel brake solenoid drive circuit has been detected.
E-08	• Failure of the cleaning solenoid drive circuit has been detected.
E-0B	• Where the radius of the tape winding is the minimum, the reel is rotating at the speed of more than 150 times normal playback speed. • When the tape is running in the reel drive mode (without tape speed 0 %) , the tension sensor voltage continues to be less than 0.3 V or more than 4.7 V for more than 5 seconds. • The take-up reel has rotated more than one turn in the direction opposite to the tape running.
E-0C	• When the capstan has driven the tape by 3 cm, the number of FG counts of the take-up Reel is less than the specified value (before detecting the radius of the tape winding). • In ± x1 playback speed, when the amount of tape transport either on the take-up reel or supply reel has reached 3 cm, the difference in the amount of tape transport between the two reels is more than 2 cm (after detecting the radius of the tape winding). • While the tape is running, FG output of the take-up reel is not counted for 5 seconds (irrelevant to tape radius detection). • Where the radius of the tape winding is the minimum, the reel rotates at the speed of more than 150 times normal playback speed for more than 2 seconds. • When the tape is running in the capstan mode, the tension sensor voltage continues to be less than 0.3 V for 5 seconds.
E-0D	• While the capstan motor is rotating, the FG output is not detected for more than 5 seconds.
E-0E	• While the cylinder motor is rotating, the FG output is not detected for more than one second. • The PG output is not detected for more than 5 seconds. • While the cylinder is rotating, the period of the PG pulses continues to be less than 3 msec for 2 seconds.
E-0F	• Tape loading does not finish within 10 seconds. • Tape loading error: if tape loading is locked after the half loading, the loading is retried three times and the loading is still locked at the fourth retry. • Tape unloading does not finish within 10 seconds. • From the start of tape loading to the half loading, the tension sensor voltage continues to be more than 1.5 V for 40 msec. • When the tape is running in FF/REW after the leader tape has been detected at the half loading, the output of the take-up reel FG counts more than five times the output from the leader tape length. • The tape is not wound up during unloading. • The tape start or tape end processing does not finish even after 10 seconds.
E-38	• Servo microcomputer serial communication error.

8. Cleaning Method

Cautions: Turn off the power while doing cleaning.
As a cleaning liquid use ethanol (99% or more).

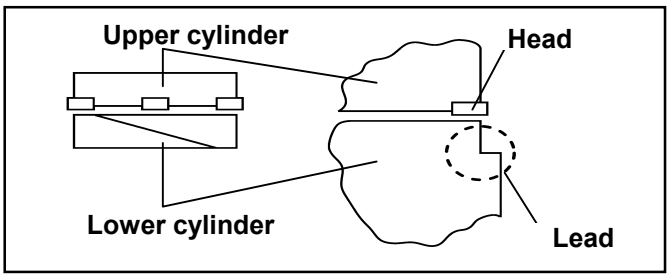
8-1. Cleaning video heads

Lightly press a cleaning cloth damped with a cleaning liquid onto the cylinder, and rotate the cylinder counterclockwise. Repeat this several times until no more dirt sticks to the cleaning cloth. Finally, wipe the cylinder with a new dry cleaning cloth. Do not touch the cylinder with bare hands.



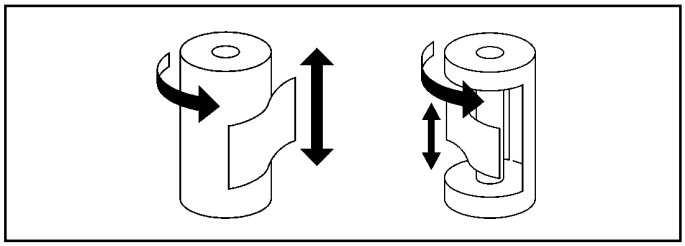
8-2. Cleaning drum lead

Remove the dust stuck to the drum lead with something like a tooth pick.
Do not hit the video head tips with the tooth pick or the like.



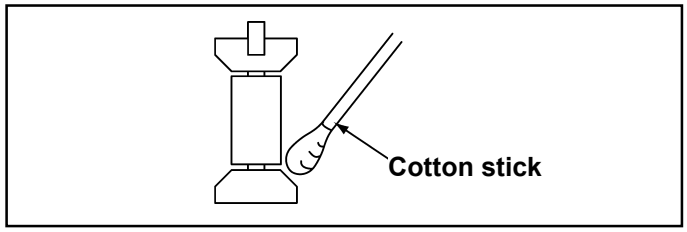
8-3. Cleaning pinch roller and capstan

Wipe the pinch roller and capstan with a cloth damped with a cleaning liquid.



8-4. Cleaning posts

Wind a dry cleaning cloth round a thin stick and wipe the posts with the stick. As far as the fixed posts are concerned, at first wipe them with a cleaning cloth damped with a cleaning liquid, and then wipe with a dry cleaning cloth.

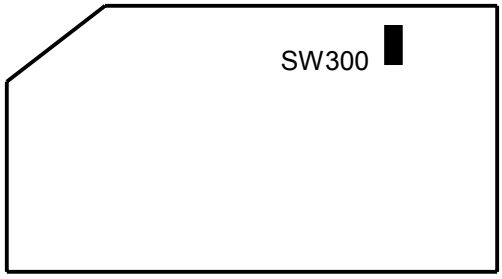


9. Internal Switch Setting

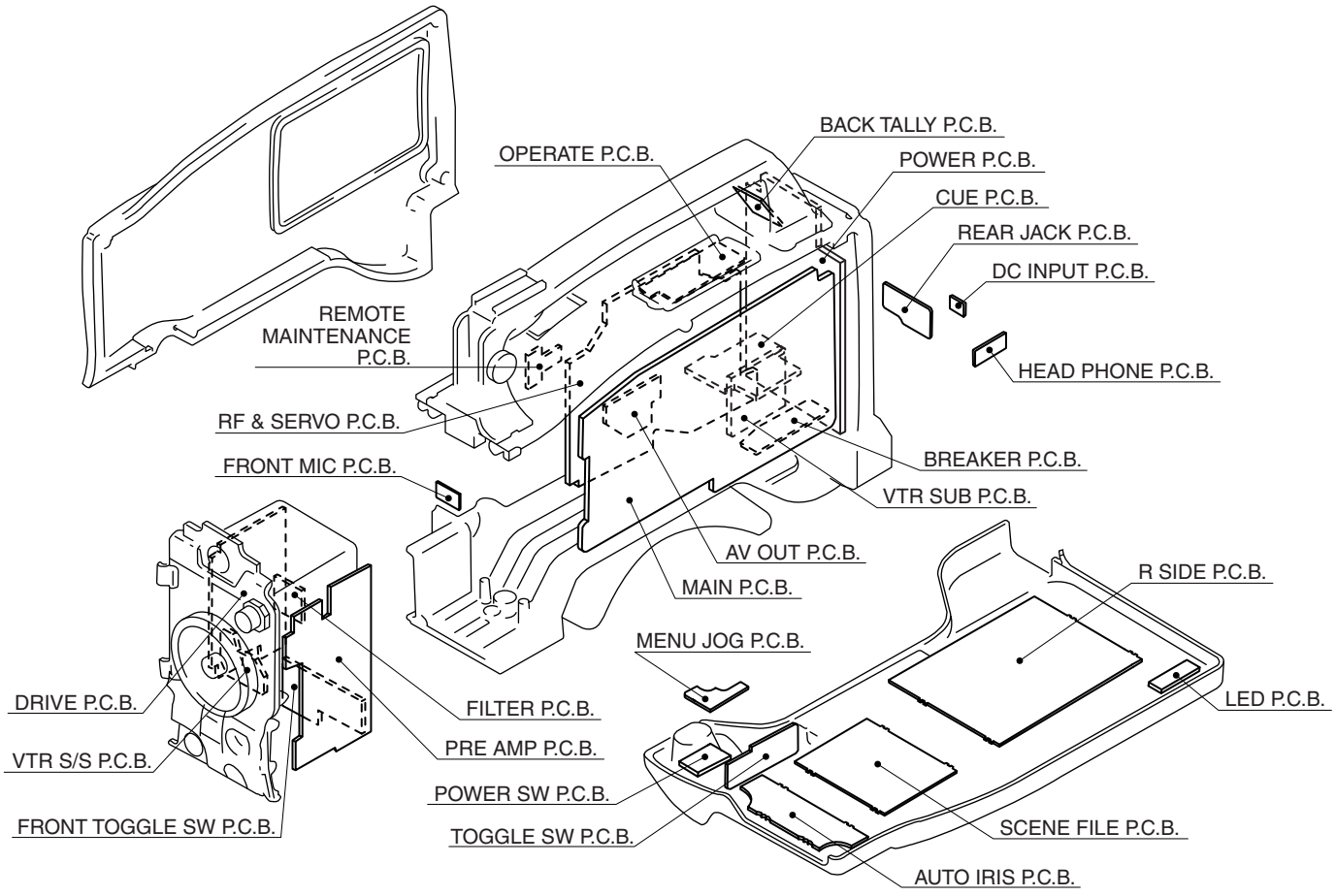
The switche setting on each circuit board are shown below.
The switches “Factory use only” must be set to the “factory setting”.

BOARD	Ref. No.	SW	FACTORY SETTING	FEATURE
MAIN	SW300	1	OFF	Factory use only
		2	OFF	Factory use only
		3	OFF	Factory use only
		4	OFF	TEST MODE (for Camera Adjustment refer to Electrical Adjustment)

MAIN P.C.Board



10. CIRCUIT BOARD LAYOUT



2. Disassembly

2-1. Removal of Cassette Cover

1. Unscrew the 4 screws (A) and remove the Cassette Cover.



2-2. Removal of Left Side Cover

1. Unscrew the 4 screws (B) and remove the Left Side Cover.

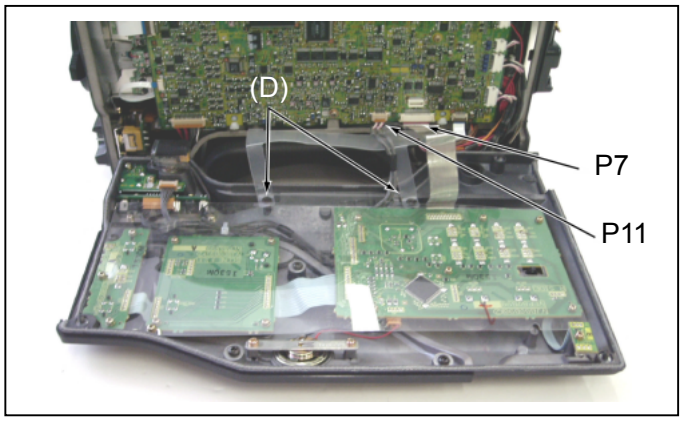


2-3. Removal of Right Side Cover

1. Unscrew the 4 screws (C).
2. Unscrew the screws (D).

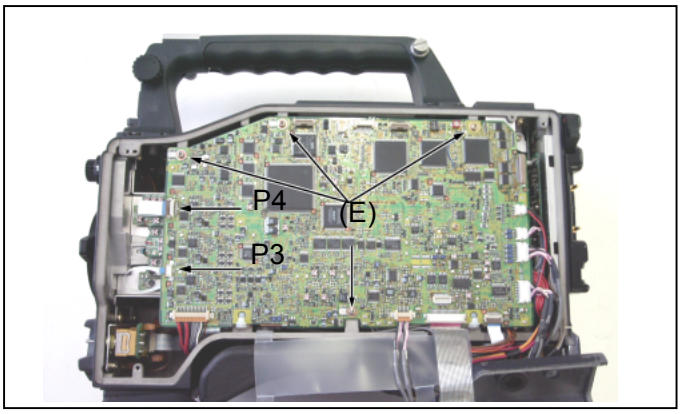


3. Disconnect the connector (P7, P11) and remove Right Side Panel.



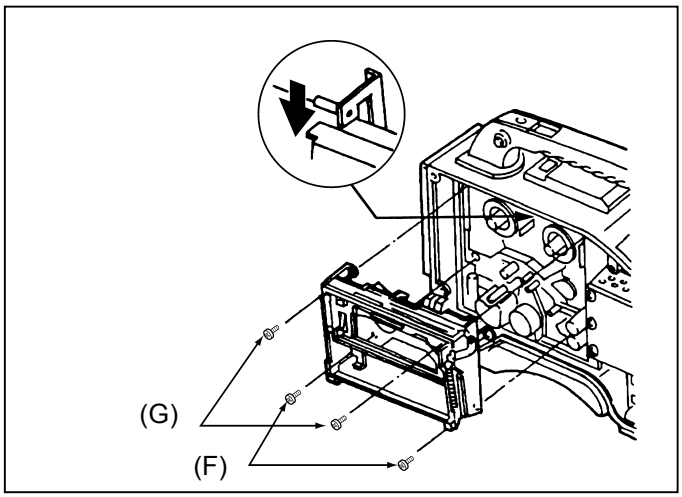
2-4. Removal of VTR MAIN P.C.B.

1. Unscrew the 4 screws (E).
2. Disconnect the connector (P3, P4) and open VTR MAIN P.C.B..



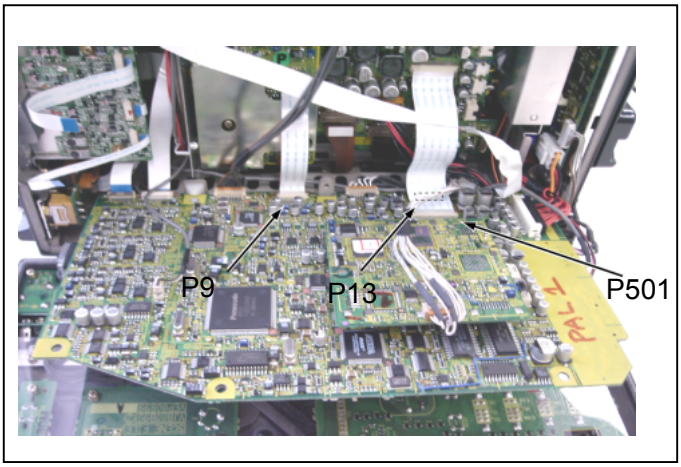
2-5. Removal of Cassette Up Unit

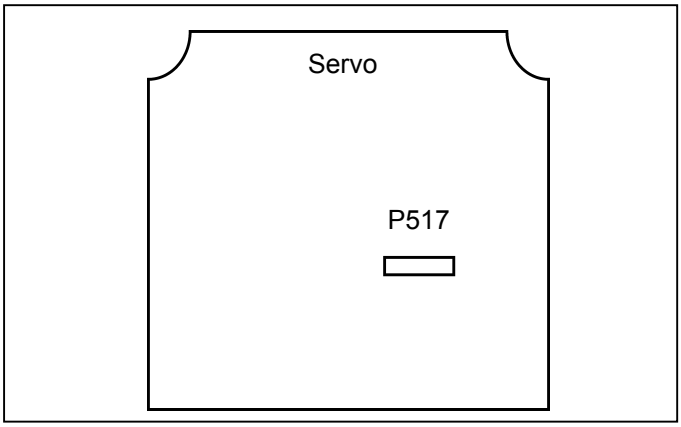
1. Push the Cassette Up Unit lock.
2. Unscrew the 2 screws (F) and 2 screws (G). Remove the Cassette Up Unit.



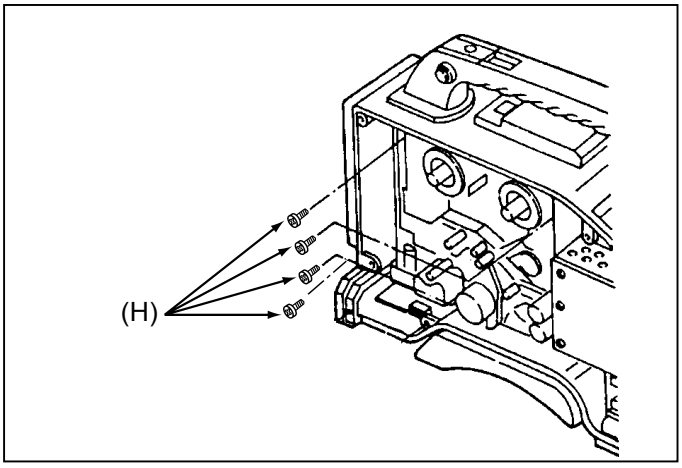
2-6. Removal of Mechanical Unit

1. Disconnect the connector (P9, P13, P501) and connector (P517).



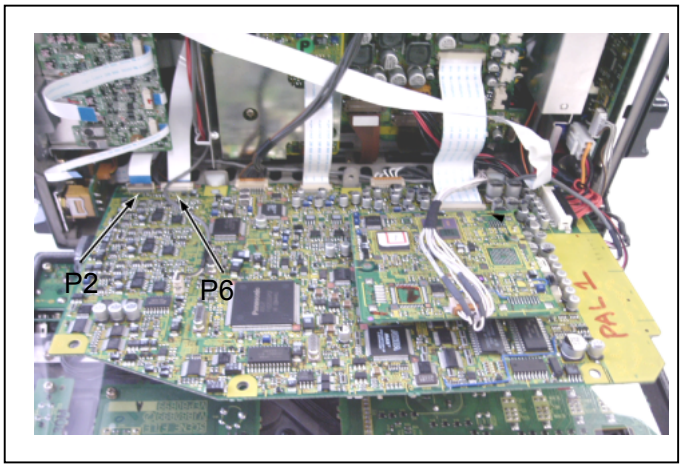


2. Unscrew the 4 screws (H) and remove the Mechanical Unit.

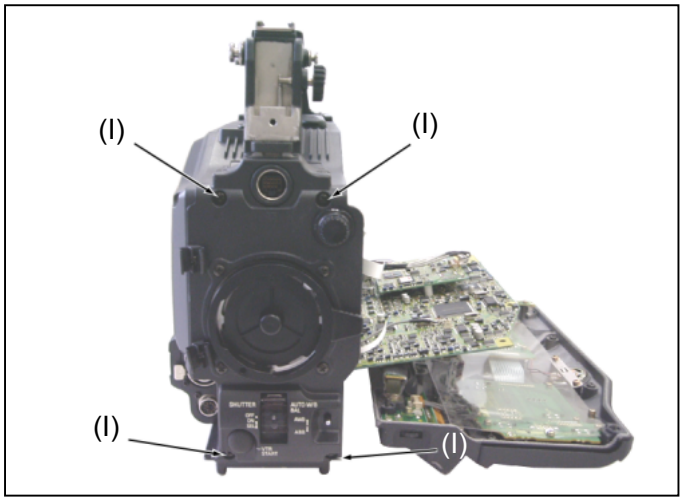


2-7. Removal of Camera Unit

1. Disconnect the connector (P2, P6).



2. Unscrew the 4 screws (I) and remove the Camera Unit.



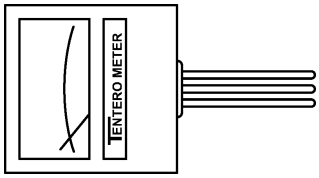
3. Disconnect the connector (P4) and remove the Camera Unit.

Note : Assemble procedures are reverse of the disassembly procedures.

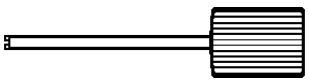
1. SERVICING FIXTURES & TOOLS

NO	NEW	PART NO.	FIXTURE & TOOL NAME	REMARKS
1		VFK1145A	Back Tension Meter	
2		VFK1149A	Post Driver	
3		VFK71A	Dial Torque Gauge (1.5 cN·m)	150 g
4		VFK1191A	Dial Torque Gauge (0.45 cN·m)	45 g
5		VFK1152	Dial Torque Gauge Adapter	
6		VFK0357	Eccentric Screwdriver (1.5 mm)	
7		VFK1154	Post Height Fixture	
8		VFK1348	Mech. Neutral Plate	
9		VFK1155	REV Position Tool (silver)	
10		VFK1156	PLAY Position Tool (black)	
11		VFK1208	Neutral Position Tool (black with hole)	
12		VFK1150	Nut Driver (5.5 mm)	
13		VFK1151	Nut Driver (2.5 mm)	
14		VFK1188A	Dial Tension Gauge	
15		VFK0948A	Check Light	
16		VFK0749	Froiral Grease (white)	for plastics part
17		MOR265	Morlytone Grease (black)	for metal part
18		VFK1146	Philips Driver (Fine) (00-75)	
19		VFK1147	Philips Driver (Fine) (00-100)	
20		VFK1148	Hex. Driver (1.5 mm)	
21		VFK1178	Hex. Driver (0.89 mm)	
22		VFK1179	Hex. Driver (0.71 mm)	
23		VFK1190	Hex. Wrench	
24		VFK1209A	Torque Driver (4 cN·m-30 cN·m)	0.4 kgf·cm –3 kgf·cm
25		VFK1375	Post Axis Driver (1.5 mm)	
26		VFK1300	A/D Board (DAQ-12 Quatech)	
27		VFM3580KL	DVCPRO Alignment Tape (No.1) for NTSC	
28		VFM3581KL	DVCPRO Alignment Tape (No.2) for NTSC	
29		VFM3582KL	DVCPRO Alignment Tape (No.3) for NTSC	
30		VFK1409S	Measuring Board	
31		VFK1590	C PLD Writer	
32		AJ-CL12MP	Cleaning Tape	SALES Route
33		VFK1423	Tape Beg./End Detection Cassette	
34		VFK1481B	LISTA Software	
35		VFK1186	LISTA Cable	
36		VFK0906	Lubrication Oil	
37		VZZ0095	Cleaning Cloth	

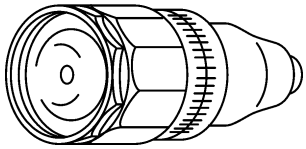
1 **VFK1145A**
Back Tension Meter



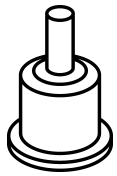
2 **VFK1149A**
Post Driver



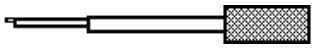
3 **VFK71A**
4 **VFK1191A**
Dial Torque Gauge



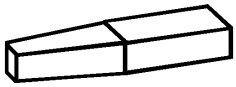
5 **VFK1152**
Dial Torque Gauge Adapter



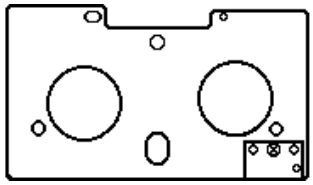
6 **VFK0357**
Eccentric Screwdriver (1.5 mm)



7 **VFK1154**
Post Height Fixture



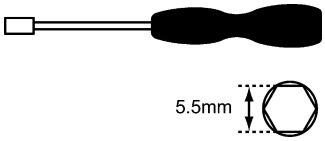
8 **VFK1153**
Mech. Neutral Plate



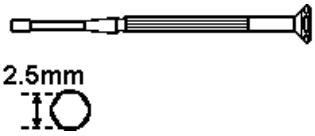
9 **VFK1155** **(REV/Silver)**
10 **VFK1156** **(PLAY/Black)**
11 **VFK1208**
(Neutral/Black with hole)
Position Tool



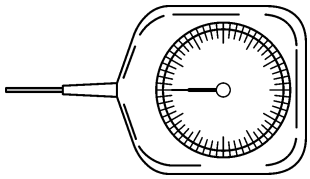
12 **VFK1150**
Nut Driver (5.5 mm)



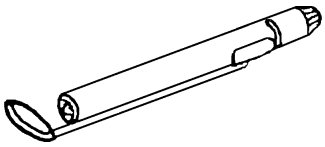
13 **VFK1151**
Nut Driver (2.5 mm)



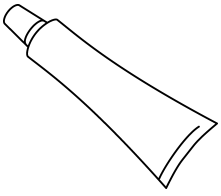
14 **VFK1188A**
Dial Tension Gauge



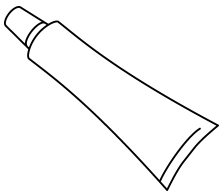
15 **VFK0948A**
Check Light



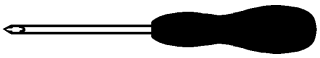
16 **VFK0749**
Froiral Grease (for plastics)



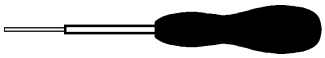
17 **MOR265**
Morlytone Grease (for metal)



18 **VFK1146 (00X75)**
19 **VFK1147 (0X100)**
Philips Driver (Fine)



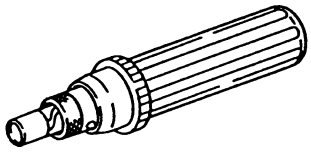
20 **VFK1148 (1.5 mm)**
21 **VFK1178 (0.89 mm)**
22 **VFK1179 (0.71 mm)**
Hex. Driver



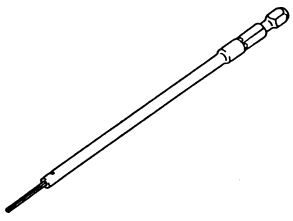
23 **VFK1190 (1.5 mm)**
Hex. Wrench



24 **VFK1209A**
Torque Driver



25 **VFK1375**
Post Axis Driver (1.5 mm)



26 **VFK1300**
A/D Board (Quatech DAQ-12)

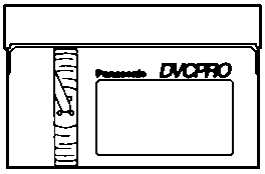


27 **VFM3580KL**

28 **VFM3581KL**

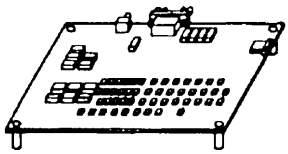
29 **VFM3582KL**

DVCPRO
Alignment Tape



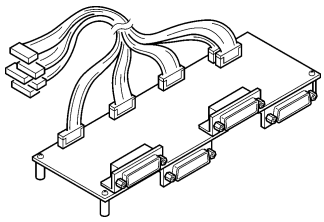
30 **VFK1409S**

Measuring Board



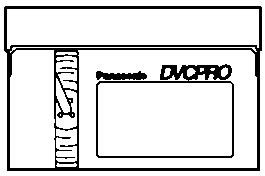
31 **VFK1590**

C PLD Writer



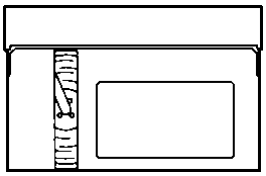
32 **AJ-CL12MP**

Cleaning Tape



33 **VFK1423**

Tape Beg./End
Detection Cassette

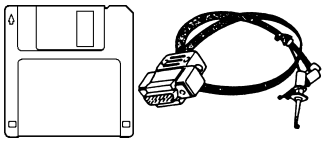


34 **VFK1481B**

LISTA Software

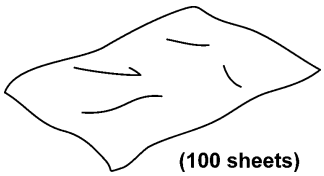
35 **VFK1186**

LISTA Cable



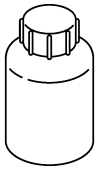
36 **VZZ0095**

Cleaning Cloth



37 **VFK0906**

Lubrication Oil



2. Alignment Tape

2-1. VFM3580KL (NTSC) (25 M adjustment tape)

TIME	VIDEO		PCM AUDIO		CUE	
(min.)	Signal	Purpose	Signal	Purpose	Signal	Purpose
0:00	Color bar SMPTE(75%)	Confirmation of the composite video level	1KHz –20dB	Confirmation of the audio level	1KHz 0VU	Confirmation of the cue level
7:00	Color bar (100%)	Confirmation of the composite video level				
14:00	H sweep	Frequency characteristic			6KHz 0VU	A/C head azimuth adjustment
18:00	Bow tie (500K)	Y/C timing				
22:00	Pulse & bar	Y/C timing			300, 500, 1K 2K, 4K, 6KHz	Frequency characteristic
26:00	Area marker	Video start timing			-----	-----

2-2. VFM3581KL (NTSC) (Manufacturer (LISTA) adjustment tape)

TIME	VIDEO		PCM AUDIO		CUE	
(min.)	Signal	Purpose	Signal	Purpose	Signal	Purpose
0:00	ITI pattern	Linearity adjustment	-----	-----	-----	-----

2-3. VFM3582KL (NTSC) (Manufacturer (X-value) adjustment tape)

TIME	VIDEO		PCM AUDIO		CUE	
(min.)	Signal	Purpose	Signal	Purpose	Signal	Purpose
0:00	Color bar (75%) (with drop-out track)	X-value adjustment	-----	-----	6KHz 10VU	X-value adjustment

3. List of Recommended Measuring Instruments

MODEL NO. (Example)	NAME	REMARK
TSG1910 (NTSC)	NTSC analog composite signal generator (with CF OUT)	Tectronix
1760 (op. SC) or 1780R	SCH meter (NTSC)	
	Waveform monitor (NTSC)	
	Vector scope (NTSC)	
	Oscilloscope	
	Digital voltmeter (D.V.M.)	
	Frequency counter	
	Halogen Lump	
	Lux Meter	
	Color Pyrometer	

4. Maintenance

4-1. Maintenance Schedule

Maintenance is done by periodically performing suitable maintenance servicing in order to maintain the functions always in the best condition, so that the user can use the equipment safely. Video equipment with mounted mechanisms use wear parts, and their wear and deterioration causes troubles. Dust and dirt also can impair stable operation. For this reason it is important not to just perform repair at the time of trouble, but also to perform suitable maintenance at regular intervals.

	Part name	Part No.	Hours of use (unit: hours)						
			1000H	2000H	4000H	6000H	8000H	10,000H	12,000H
-	Cleaning of the travel system	-----	C: Every 500 hours						
-	Mechanical chassis unit	VXY1650							R
1	Cylinder Unit	VEG1499		R	R	R	R	R	IM
2	Pinch Arm Unit	VXL2835C	R,Y,G	R,Y,G	R,Y,G	R,Y,G	R,Y,G	R,Y,G	IM
3	Cleaning Arm Unit	VXL3027C	R, Y	R, Y	R, Y	R, Y	R, Y	R, Y	IM
4	S-Reel Motor Unit	VEM0658				R			IM
5	T-Reel Motor Unit	VEM0659				R			IM
6	Thrust Screw Unit	VXQ0556				R,L			IM
7	S1 Loading Arm Unit	VXL2709							IM
8	T1 Boat Unit	VXA6378							IM
9	S5 Post Base Unit	VXA6052							IM
10	Tension Arm Unit	VXL2831							IM
11	S Cassette Brake Arm	VXL3062				R			IM
12	T Cassette Brake Arm	VXL3063				R			IM
13	Mode Switch Unit	VES0918C				R			IM
14	A/C Head	VED0419							IM
15	Loading Motor (1) A Unit	VEM0645C							IM
16	Pinch Solenoid	VSJ0227							IM
17	S Brake Solenoid	VSJ0216							IM
18	T Brake Solenoid	VSJ0216							IM
19	L Switch Base B Unit	VXA6254							IM
20	Cleaner Solenoid	VXA6078C							IM
21	Main Cam Gear	VDG1168							IM
22	Cassette Up Unit	VXA7343							IM

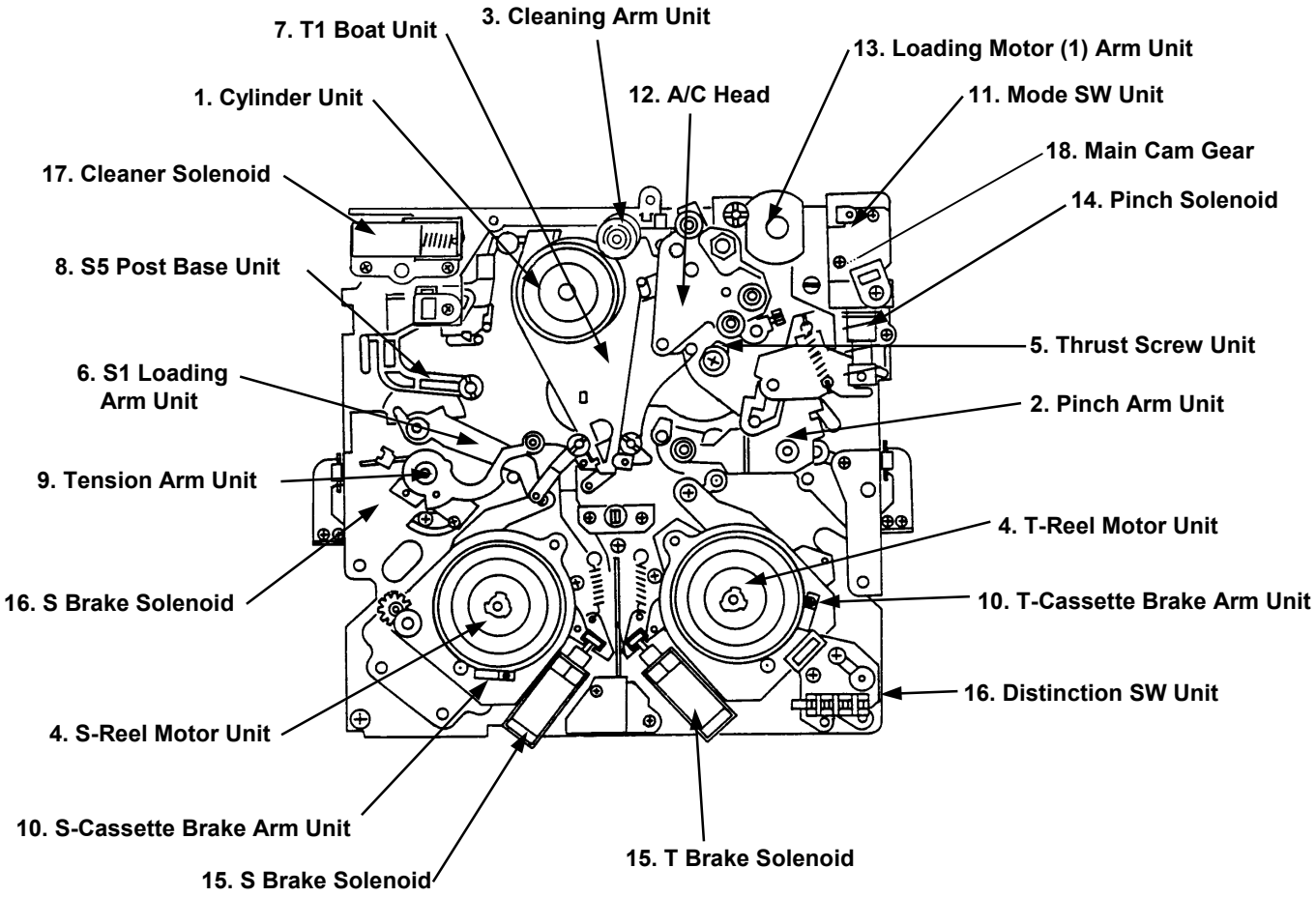
Replacement of the mechanical chassis unit is recommended for the 12,000 h maintenance.

C : Perform cleaning.
R : Assembly subject to exchange.
Y : The timing of replacement with Cleaning Arm Unit, either 1000 hours or 1 year as timing come earlier.
G : At the time of exchange, wipe off the old grease and apply new grease. (Morlytone grease)
L : Lubrication is necessary.
IM : Included in the mechanical chassis unit. When the mechanical chassis unit is not exchanged, exchange as a single part is required.
F : Included in the front-loading unit.

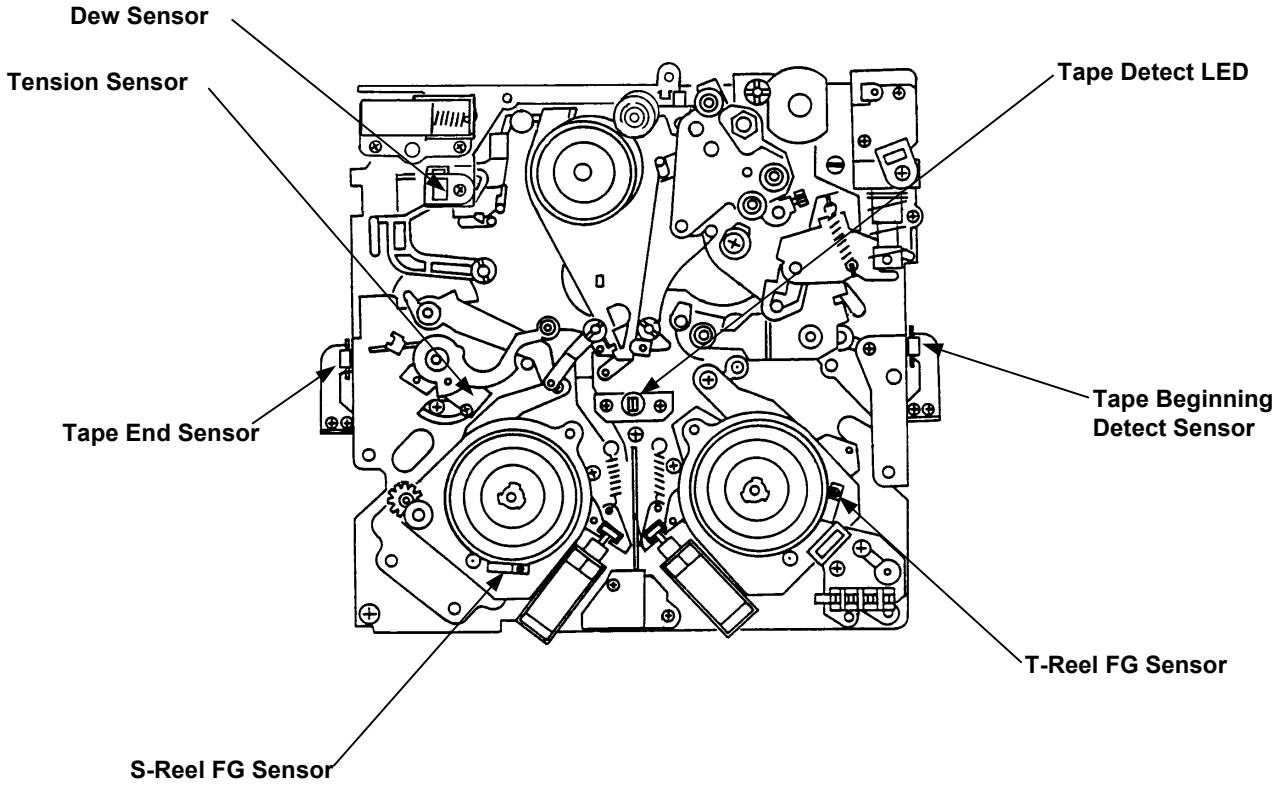
<Note:>

The Hours of use indicates the cylinder rotation time (DRUM RUN).
The maintenance execution time shown in the chart is recommendation for standard maintenance execution. This is not the life of the various parts. The life is influenced by temperature, humidity, dust, etc.
Please refer to the most recent execution outline, as the maintenance specifications and the part numbers may change.

4-2. Layout of the Maintenance Parts



4-3. Layout of the Other Parts



5. Emergency Eject

In the event that a cassette is not ejected by pressing EJECT button, take the following Emergency Eject procedures.

1. Turn OFF the power.
2. Remove the rubber cap and insert a Phillips Screwdriver to the cross-shaped recess of the EMERGENCY screw (red) as shown in the figure below:



3. While pushing the EMERGENCY screw with the screwdriver, turn the screw counterclockwise until the cassette is ejected.
   - The screw must be turned about 20 turns before the tape unloading begins.
   - The screw must be turned about 90 turns from the beginning of the tape unloading to the cassette eject.
4. Take out the cassette.
5. Attach the rubber cap again.

<Caution>

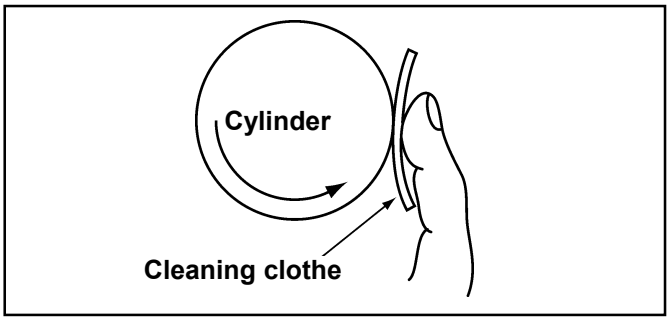
- Do not turn the EMERGENCY screw except in emergency.
- Do not turn the EMERGENCY screw clockwise. Also, do not turn the screw farther after the cassette has been ejected. Otherwise, the mechanism may be broken down.
- After the cassette has been ejected, the cassette holder can not be locked even if it is pushed to close. Turn on the power to reset the action of the mechanism, and then close the cassette holder.
- Click sounds occur during the time when the EMERGENCY screw is turned. These sounds occur while the reel is driven and they are not abnormal.

6. Cleaning Method

Cautions: Turn off the power while doing cleaning.
As a cleaning liquid use ethanol (99% or more).

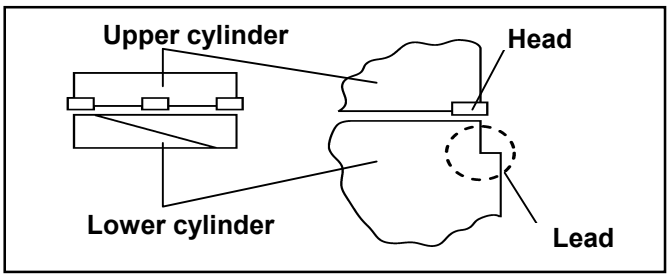
6-1. Cleaning video heads

Lightly press a cleaning cloth damped with a cleaning liquid onto the cylinder, and rotate the cylinder counterclockwise. Repeat this several times until no more dirt sticks to the cleaning cloth. Finally, wipe the cylinder with a new dry cleaning cloth. Do not touch the cylinder with bare hands.



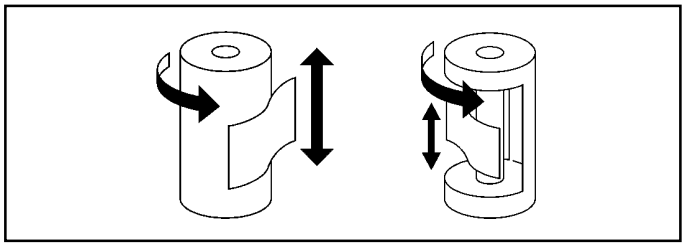
6-2. Cleaning drum lead

Remove the dust stuck to the drum lead with something like a tooth pick.
Do not hit the video head tips with the tooth pick or the like.



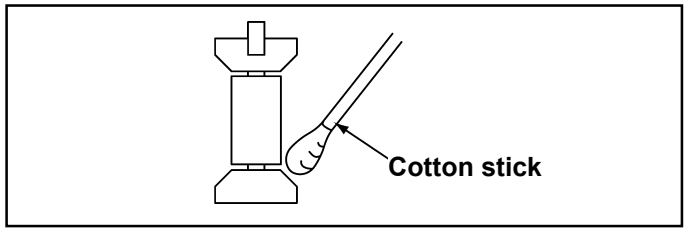
6-3. Cleaning pinch roller and capstan

Wipe the pinch roller and capstan with a cloth damped with a cleaning liquid.



6-4. Cleaning posts

Wind a dry cleaning cloth round a thin stick and wipe the posts with the stick. As far as the fixed posts are concerned, at first wipe them with a cleaning cloth damped with a cleaning liquid, and then wipe with a dry cleaning cloth.



7. Mechanism

7-1. Mechanical Adjustment Procedures

This section shows difference between AJ-D410AP and ”Service Manual DVCPRO MECHANISM [Version 2] . Refer to ”Service Manual DVCPRO MECHANISM [Version 2] "Order No. BSD01303M901".

7-2. Table of difference between DVCPRO MECHANISM Version 2 and AJ-D410AP manual for Mechanical Adjustment.

Adjustment	DVCPRO MECHANISM	AJ-D410AP	TYPE
1. Name of Tape Transportation	3-1	-	
2. Table of Test Point	-	MEC-12	AJ-D410A “Table of Test Point"
3. Mechanical Adjustment Procedures	3-14	-	
3-1. Post Height Pre-adjustment	3-14	-	
3-2. Tension Adjustment Flowchart	3-14	-	
3-3. Tension Arm Offset Adjustment	3-15	-	
3-4. Tension Arm Neutral Position Adjustment	3-15	-	
3-5. Tension Arm PLAY and REV Voltage Adjustment and Confirmation	3-16	-	
3-6. Tension Regulator Spring Adjustment	3-16	-	
3-7. REV Tension Confirmation	3-17	-	
3-8. Tension Confirmation	3-18	-	
3-9. Photo Sensor Voltage Adjustment	3-19	-	Use the model of the C-type category.
3-10. Tape Path Adjustment Procedure	3-20	-	
3-11. Envelope Waveform Adjustment	3-21	-	Use the model of the B-type category.
3-12. Post Limit Confirmation (PLAY)	3-22	-	
3-13. A/C Head Adjustment Method (General)	3-23	-	
3-14. A/C Head Tilt Adjustment	3-25	-	
3-15. A/C Head Height Adjustment	3-25	-	Use the model of the B-type category.
3-16. A/C Head Tilt Confirmation	3-26	-	
3-17. A/C Head Height Confirmation	3-27	-	Use the model of the B-type category.
3-18. A/C Head Azimuth and X-value Adjustment (25M)	3-28	-	Use the model of the B-type category.
3-19. REV Tape Path Confirmation and Adjustment (T4 Post Height Adjustment)	3-32	-	Use the model of the B-type category.
3-20. REV (-1) Mode Setting Procedure	3-33	-	Mode setting Method 1.Set the SERVICE MENU 2.Set the VTR OPERATION mode 3.Press [SEARCH] and [REW] button at the same time.
3-21. CTL Self Recording Level Confirmation	3-34	-	
3-22. Play Tape Path Limit Confirmation	3-35	-	Use the model of the B-type category.
3-23. Confirmation of Envelope on REV, REW and FF mode	3-35	-	Use the model of the A-type category.
3-24. Confirmation of Play Start Envelope	3-36	-	Use the model of the A-type category.
3-25. REV mode Tape Path Limit Confirmation	3-37	-	
3-26. FF, REW mode Tape Path Limit Confirmation	3-37	-	
3-27. Screw Lock Tight of A/C Head and T3, T4 Post	3-37	-	
3-28. Confirmation of Tape Damage for Long Tape Playback	3-38	-	Use the model of the J-type category.

3-29. LISTA Adjustment Procedure	3-39	-	
3-30. LISTA Connection and Boot Up	-	MEC-15	
3-31. How to Entry the Attachment Data of Alignment Tape	3-46	-	
3-32. LISTA Sensitivity Adjustment and Sensitivity Detection	3-47	-	Use the model of the K-type category.
3-33. LISTA Linearity Adjustment and Waving Measurement	3-53	-	Use the model of the K-type category.
3-34. Self-REC/PLAY Envelope Waveform Confirmation	3-56	-	Refer to “Service menu” of AJ-D410A
4. No Tape Loading Method	-	MEC-16	Refer to “Service menu” of AJ-D410A

7-3. Table of difference between DVCPRO MECHANISM Version 2 and AJ-D410AP manual for Major Mechanical Parts Replacement.

Adjustment	DVCPRO MECHANISM	AJ-D410AP	TYPE
SECTION5			
1. Major Mechanical Parts Replacement & Adjustment Procedures	5-1	-	
1-1. Cylinder Unit Replacement	5-1	-	Connector (A) :P513, P.C.Board (B) :RF&SERVO
1-2. Cleaning Arm Unit Replacement	5-2	-	
1-3. T1 Guide Position Adjustment	5-2	-	
1-4. Adjustment Flow Chart After Cylinder Unit Replacement	5-3	-	
1-5. Supply & Take-up Reel Rotor Unit Replacement (In case of type E and G models)	5-6	-	
1-6. Main Brake Torque Confirmation	5-7	-	
1-10. Pinch Solenoid Replacement	5-10	-	Connector (A) :P510, P.C.Board (B) :RF&SERVO
1-11. Pinch Solenoid Position Adjustment	5-10	-	
1-12. Pinch Arm Unit Replacement	5-11	-	
1-13. Loading Motor Replacement	5-11	-	Connector (A) :P511, P.C.Board (B) :RF&SERVO
1-14. Mode SW Unit Replacement	5-12	-	Connector (A) :P512, P.C.Board (B) :RF&SERVO
1-15. Main Cam Gear Replacement	5-12	-	
1-16. Thrust Screw Replacement and Adjustment	5-13	-	
1-17. S5 Post Base Unit Replacement	5-13	-	
1-18. Tension Arm Unit Replacement	5-14	-	
1-19. S1 Post Loading Arm Unit Replacement & Adjustment	5-15	-	
1-20. T1 Boat Unit Replacement	5-16	-	
1-21. T1 Loading Arm Unit Replacement & Adjustment	5-18	-	
1-23. A/C head Replacement & Adjustment	5-19	-	Connector (A) :P1005, P.C.Board (B) :CUE
1-24. Cleaner Solenoid Replacement & Adjustment	5-21	-	Connector (A) :P518, P.C.Board (B) :RF&SERVO
1-26. MIC Base Unit Replacement (Type C,D,E & G models only)	5-23	-	
1-31. T4 Post Position Adjustment	5-26	-	

7-4. AJ-D410AP : Table of Test Point

<Table of Test Point>

Name		Model Applied AJ-D410AP
[Reel Torque Adjustment]		
S-Side	Reel Voltage	RF SERVO : TP300
	Adjust Point	RF SERVO : VR300
T-Side	Reel Voltage	RF SERVO : TP301
	Adjust Point	RF SERVO : VR301
GND		RF SERVO : TP302
[Tension Arm Adjustment]		
TENSION		RF SERVO : TP400
TENSION OFFSET		RF SERVO : VR400
TENSION GAIN		RF SERVO : VR401
[Photo Sensor Voltage Adjustment]		
S-Side	Sensor Voltage	RF SERVO : TP601 or SERVICE MENU "S PHOTO"
	Adjust Point	RF SERVO : VR601
T-Side	Sensor Voltage	RF SERVO : TP600 or SERVICE MENU "T PHOTO"
	Adjust Point	RF SERVO : VR600
[Tape Path, A/C Head Adjustment]		
R/P-ENV		H/R AMP : TP301 or MAIN : TP1
R/P-HSW		RF SERVO : TP501
LIVE-CTL		RF SERVO : TP950
CUE		CUE : TP1004 or MAIN : TP4302
[PG Shifter Adjustment]		
TSR		RF SERVO : TP502
PG SHIFT		* Select the EVR on the SERVICE MENU. (Refer to following table)
[LISTA Adjustment]		
ATF ERR		VFK1409S TP HID1
TRG R/P-HSW		RF SERVO P.C.B. : TP501 VFK1409S : TP HID1
ATF GAIN		* SERVICE MENU bellow. (As shown bellow)
GND		Refer to Note2

[SERVICE MENU for Adjustment]

Adjustment name	Service Menu	
T REEL TORQUE Adjustment	“T TORQUE”	
S REEL TORQUE Adjustment	“S TORQUE”	
Photo Sensor Voltage Adjustment	“T/S PHOTO”	
A/C Head Azimuth Adjustment	“X VALUE SET”	
A/C Head X-value Adjustment	“X VALUE SET” and “X VALUE ADJ”	
PG SHIFT Adjustment	“PG SHIFT”	
LISTA R/P Sensitivity Adjustment	“RP GAIN”	
LISTA Linearity Adjustment	“RP LIN”	
Envelope Waveform Confirmation	“SERVO MODE” and “TRK VAL”	

Note :

1. Refer to Service Menu (INF-1) in the Service Information.
2. In LISTA adjustment, the power GND of the EVR jig and the GND of the mechanism should be connected.
3. Adjust and confirmation an X value by ATF playback mode (R/P).

7-5. Service Menu for Mechanism

```
    VTR SERVICE 2/2
  *T TORQUE          :      0
   S TORQUE          :      0
   PG SHIFT
       HSW_A_RISE    :  1025
       HSW_A_FALL    :  1025
   RP GAIN           :  -020
   RP LIN            :  OFF
   T/S PHOTO         : T*.*V/S*.*V
   SERVO MODE        :  ATF
   TRK VAL           :  +000
   X VALUE SET       :  OFF
   X VALUE ADJ       :  +000
```

[SERVICE MENU and ADJUSTMENT PROCEDURES]

ADJUSTMENT	SERVICE MEN	ADJUSTMENT PROCEDURE
T REEL TORQUE Adjustment	T TORQUE	① Down the carriage without a cassette. ② Select "T TORQUE" and adjust this value ③ After adjustment, select "T TORQUE".
S REEL TORQUE Adjustment	S TORQUE	① Down the carriage without a cassette. ② Select "S TORQUE" and adjust this value. ③ After adjustment, select "S TORQUE".
Photo Sensor Voltage Adjustment	T/S PHOTO	① Select "T/S PHOTO" in the EJECT condition. ② Insert the VFK1369 and measure the voltage at the test point. ③ After adjustment, select "T/S PHOTO".
A/C Head Azimuth Adjustment	X VALUE SET	① Select "X VALUE SET". "ON" will be displayed on the MENU. ② Playback the aliment tape and adjust this item. ③ After adjustment, select " X VALUE SET ".
A/C Head X-value Adjustment	VALUE SET VALUE ADJ	① Select " X VALUE SET". "ON" will be displayed on the menu. ② Select " X VALUE ADJ" in the STOP condition. "Automatic Adjustment" will be started. ③ Sops after a display value is updated. ④ Select " X VALUE SET". "OFF" will be displayed on the menu.
PG SHIFT Adjustment	PG SHIFT	① Insert the Aliment tape. ② Select "PG SHIFT" in the STOP condition. "Automatic Adjustment" will be started. ③ Sops after a display value is updated. ④ Select " PG SHIFT". "OFF" will be displayed on the menu.
LISTA R/P Sensitivity Adjustment	P GAIN	① Select "P GAIN". ② Playback Aliment Tape and adjust this item. ③ After adjustment, select "P GAIN"
LISTA Linearity Adjustment	P LIN	① Select "P LIN". "ON" will be displayed on the MENU. ② Playback Aliment Tape and adjust this item. ③ Select "P LIN". "OFF" will be displayed on the MENU.
LISTA Linearity Adjustment	SERVO MODE TRK VAL	① Select "CTL on the " SERVO MODE". (Change CTL control mode) ② Select " TRK VAL" and adjust this item. ③ After adjustment, select "TRV VAL".

Operation of Service menu

1. Set the SW position as follows;
   WHITE BAL SW : PRST
   OUTPUT SW : BARS
2. Press the MENU button so that view finder display is ON.
3. Turn the AUTO W/B BAL SW to AWB side and hold it.
4. Press the MENU button once and release.
5. Release the AUTO W/B BAL SW.
6. Press the JOG dial button three times to enter SERVICE menu.

```
→NEXT****  SERVICE  ****

  FLARE/GAMMA . .
  WHITE SHADING . .
  CAMSYS MENU . .
  VTR SERVICE 1/2 . .
  VTR SERVICE 2/2 . .
  INITIALIZE . .
  EVR DATA . .
  ERROR LOG . .
  DIF STATUS . .
  SERVICE VERSION . .
  FACTORY INITIALIZE . .
```

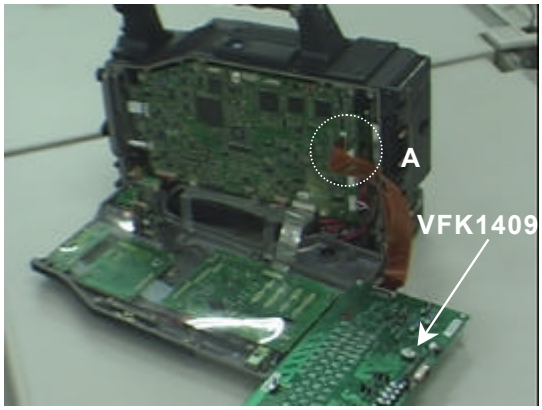
Note :

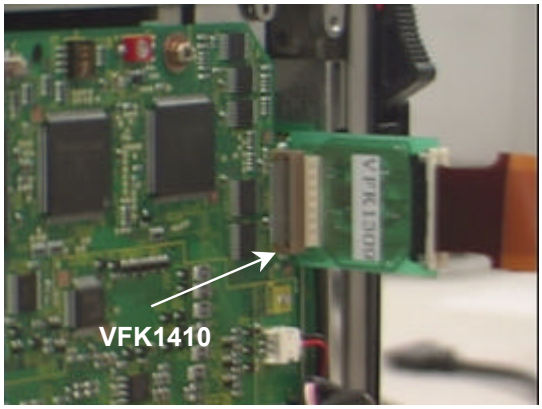
Rotate the JOG dial button to value to be changed.
Press the JOG dial button to stored the value in memory.
If turn OFF the power without colsing the SERVICE menu,
an adjustment value isn't stored.

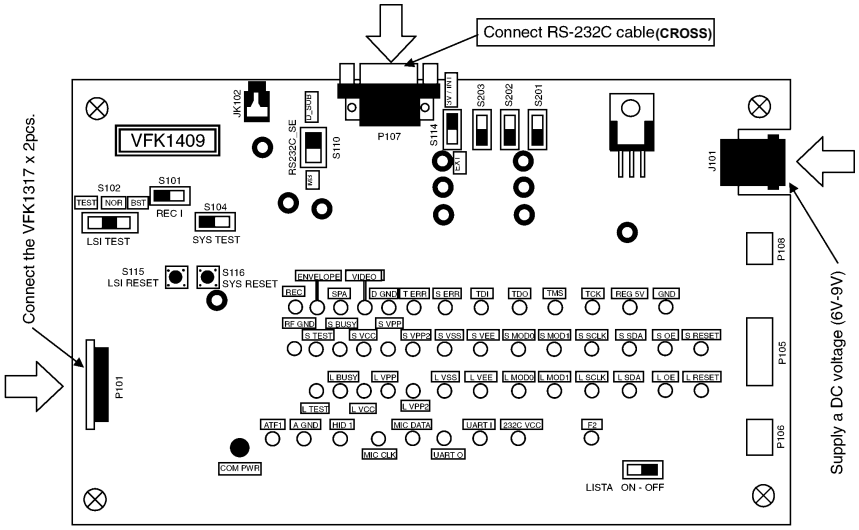
7-6. LISTA Connection and Boot Up

TAPE	VFM3581KL (LISTA)
M. EQ	Personal Computer (A/D Board should be installed.)
TOOL	VFK1481C (LISTA Software), VFK1186 (LISTA Cable), VFK1300 (A/D Converter Board), VFK1409S (Measuring Board)
TP	ATF : TP F2 (VFK1409S), HSW : TP HID1 (VFK1409S), GND : TP GND (VFK1409S)

1. Connect a PC, the Measuring Board and the AJ-D410AP as shown below.







Initial setting condition of each switch on the Measuring Board (VFK1409).

2. Connect the clips of the LISTA cable to test point on the Measuring Board. (VFK1409S) (Refer to Items **"Sensitivity Adjustment"** and **"Linearity Adjustment"**.)
3. Set the switches on the Measuring Board as shown below.

<VFK1409S>

SW REF.	NAME OF SW	SETTING POSITION
-----	LISTA ON - OFF	ON

4. Boot up the LISTA software on DOS mode

> **< How to Install and Boot Up >**
> Copy all files on the floppy disk (VFK1481C:LISTA Software) to created directly on PC (**i.e.;** C:\ LISTA).

5. After the LISTA software boot up, **<<< FORMAT SELECT >>>** display appears. Select the item **"DVCPRO"**.
6. After select the format, **<<< VTR SELECT >>>** display appears, and select the model **"AJ-D200"**.

SENSER P.C.B.

R CCD

G CCD

B CCD

PRE AMP P.C.B.

Q101-Q111 CDS → Q112-Q119 PRE AMP R

Q301-Q311 CDS → Q312-Q319 PRE AMP G

Q501-Q511 CDS → Q512-Q519 PRE AMP B

PRE PROCESS P.C.B.

IC7103. IC7104 GAIN CONTROL → Q7112-Q7116 PRE GAMMA

IC7203. IC7204 GAIN CONTROL → Q7212-Q7216 PRE GAMMA

IC7303. IC7304 GAIN CONTROL → Q7312-Q7316 PRE GAMMA

DSP/ENC P.C.B.

IC8010 A/D

IC8011 A/D

IC8012 A/D

IC8029. IC8030 MAIN PROCESS (DSP)

CLK, VD/HD, CC DCK

S CRY, CY, S CBY

IC8037 D/A

Q8047-Q8050 MIX AMP

SYNC, CHRA

MONI OUT

CAM OUT

IC8800 D/A

CAM Y

CAM PR

CAM PB

DRIVE P.C.B.

V6 H DRIVER

V7 V DRIVER

TIMING GEN

VD/HD

IC506 EEPROM

IC8003 CAM CPU

A0-A11

DATA

IC8007 CHRA GEN

CHRA

VIDEO P.C.B.

IC3007 A/D

IC3008 A/D

IC3009 A/D

Y DATA

PR DATA

PB DATA

CLK135M

CLK6. 75M

IP3402 DSC

8 YSI0-YSI7

8 CSI0-CSI7

CHRA

27M

BFIN IC3403

VCO

VIDEO SUB P.C.B.

IC103 VIOLA

ADDT0-ADDT15 16

IC203 LUPIN

HSE

ATFI

DAY

PB DATA

DAC

18M

BFIN IC104

VCO

IC3604 EQ

IC3602 PRE EQ

ATF00T

ATFI

ATF GAIN ADJ

H/R AMP P.C.B.

REC/PB AMP

REC

PB

CH1

CH2

IC3305 MIX

CHRA

Y OUT

C OUT

V OUT

YOUT

IC3306 MIX

VF OUT

AUDIO OUT

TC IN

TC OUT

ECU

MONIY

REAR JACK P.C.B.

REAR CH1 MIC/LINE

REAR CH2 MIC/LINE

MIC IN

CUE P.C.B.

SEL

AMP

AUDIO P.C.B.

IC4000 MIC/LIN AMP

IC4201 A/D D/A

IC4203 AMP

IC4202 AMP

SPEAKER

MAINTAINANCE CONNECTOR 9P

CUE

WIRELESS

VIDEO SUB P.C.B.

IC3500 EVR

CLAMP

DA DATA

DA CLK

POWER P.C.B.

BATTERY TERMINAL

DC IN

12V OUT

SWITCHING REGULATOR → +7V, +5. 6V, UNREG, -5. 6V

SWITCHING REGULATOR → +3V, +4. 8V, +7V

SWITCHING REGULATOR → +9V, +3. 6V, +16V, -9. 5V

VTR SYSCON P.C.B.

IC6402 CHRACTOR GEN

IP6501 SYSCON CPU

IC6105 RAM

MEMORY

I/O

I/O

IP60`

LENS

CAM OPERATION

VTR OPERATION KEY/LED

SERVO P.C.B.

IC107 SERVO CPU

MECHANISM SENSOR. SWITCH and SOLENOID

IC204 CAPSTAN CONTROL → IC209 MOTOR DRIVE → CAP MOTOR

IC207 SYLINDER CONTROL → IC208 MOTOR DRIVE → CYL MOTOR

IC301 S REEL DRIVE → S REEL MOTOR

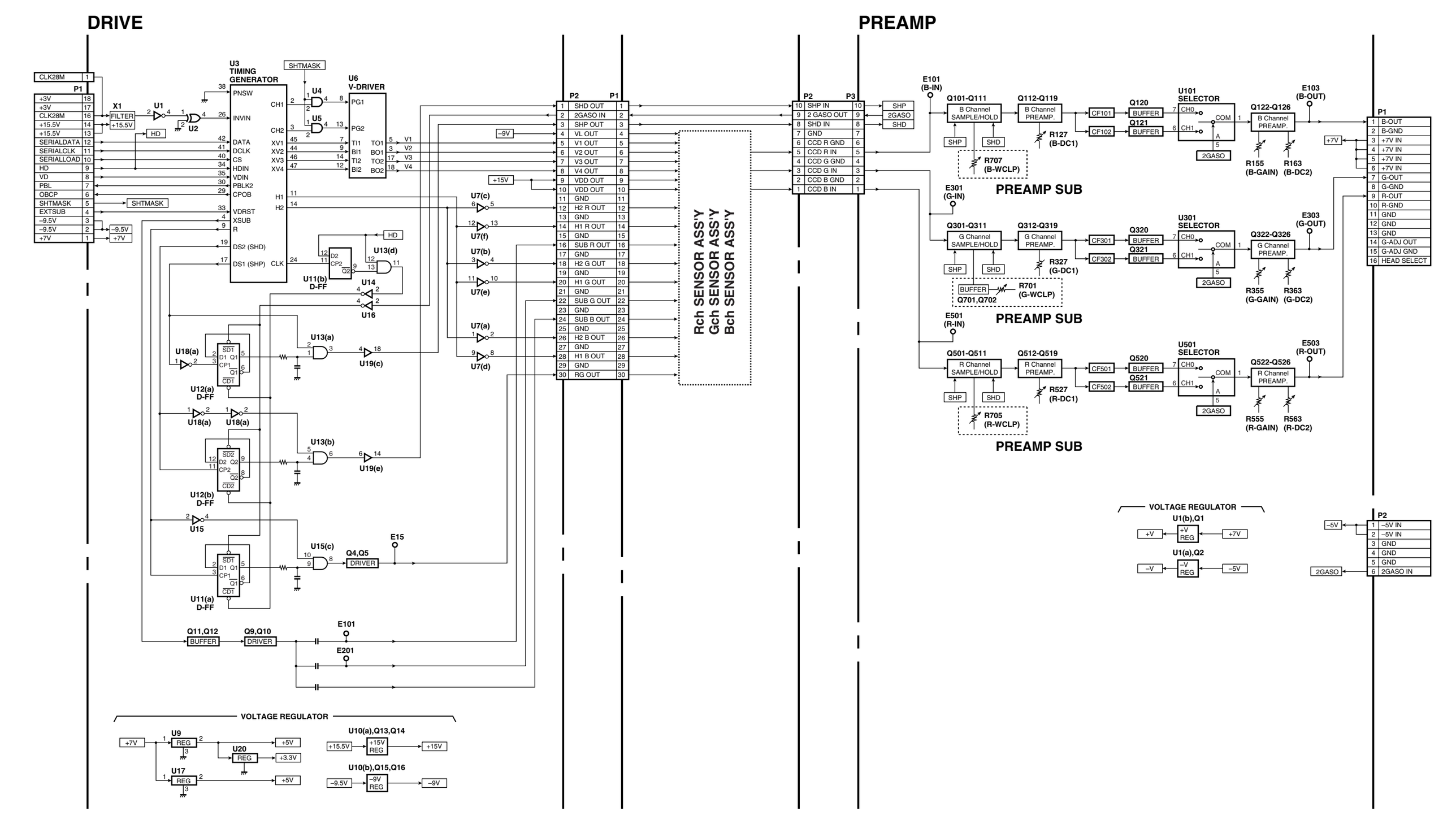
IC302 T REEL DRIVE → T REEL MOTOR

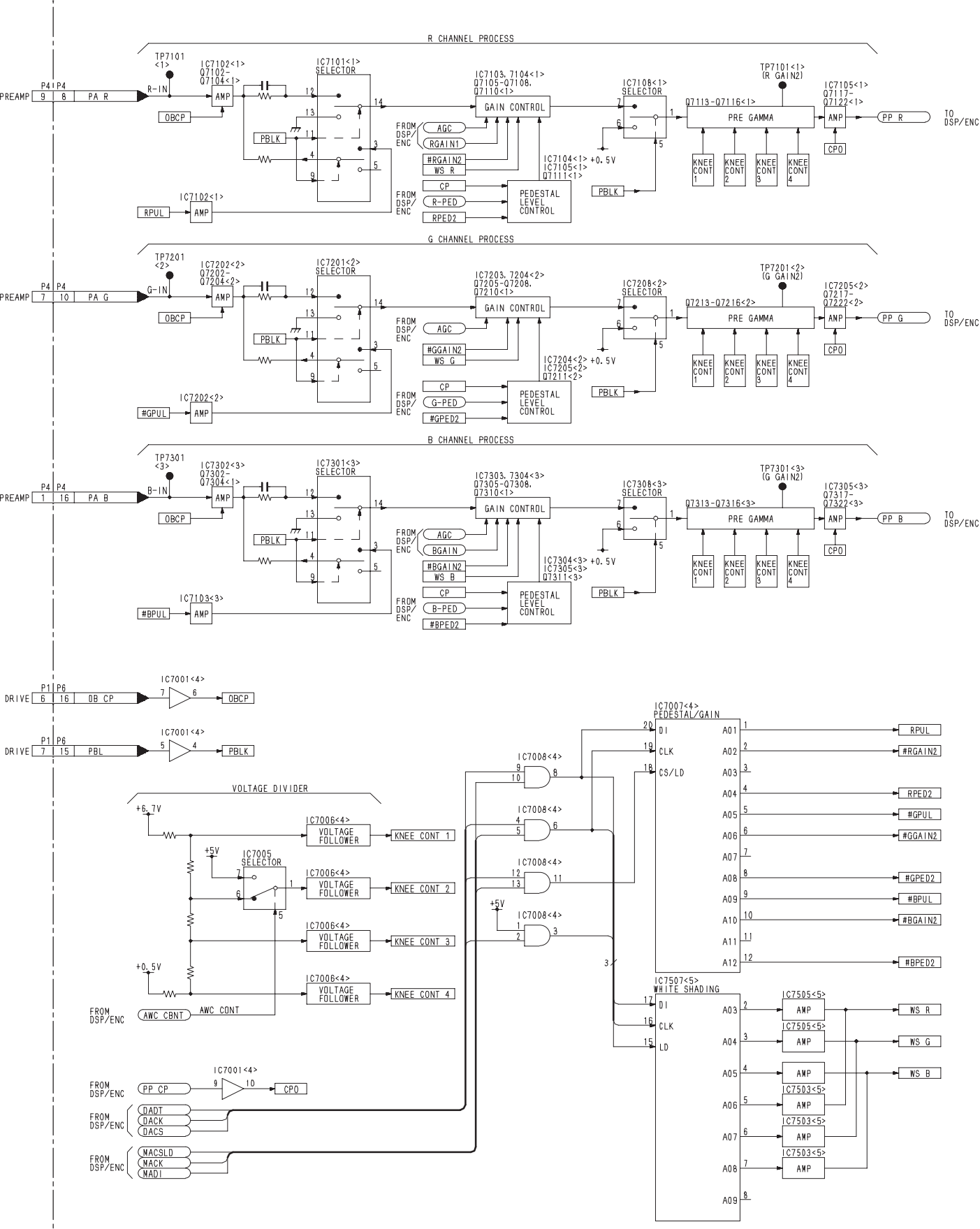
IC602 LOADING DRIVE → LOADING MOTOR

FG

D DATA SV CLK

MECHANISM SENSOR. SWITCH AND SOLENOID


DRIVE
PREAMP
U3 TIMING GENERATOR
U6 V-DRIVER
SHTMASK
P1
CLK28M
+3V
+3V
CLK28M
+15.5V
+15.5V
SERIALDATA
SERIALCLK
SERIALLOAD
HD
VD
PBL
OBCP
SHTMASK
EXTSUB
–9.5V
–9.5V
+7V
X1
FILTER
+15.5V
U1
U2
PNSW
INVIN
DATA
DCLK
CS
HDIN
VDIN
PBLK2
CPOB
VDRST
XSUB
R
DS2 (SHD)
DS1 (SHP)
CH1
CH2
XV1
XV2
XV3
XV4
H1
H2
CLK
U4
U5
PG1
PG2
TI1
BI1
TI2
BI2
TO1
BO1
TO2
BO2
V1
V2
V3
V4
P2 P1
SHD OUT
2GASO IN
SHP OUT
VL OUT
V1 OUT
V2 OUT
V3 OUT
V4 OUT
VDD OUT
VDD OUT
GND
H2 R OUT
GND
H1 R OUT
GND
SUB R OUT
GND
H2 G OUT
GND
H1 G OUT
GND
SUB G OUT
GND
H2 B OUT
GND
H1 B OUT
GND
RG OUT
–9V
+15V
U7(c)
U7(f)
U7(b)
U7(e)
U7(a)
U7(d)
U13(d)
U11(b) D-FF
U14
U16
U13(a)
U19(c)
U18(a)
U12(a) D-FF
U13(b)
U19(e)
U12(b) D-FF
U15
U15(c)
Q4,Q5
DRIVER
E15
U11(a) D-FF
Q11,Q12
BUFFER
Q9,Q10
DRIVER
E101
E201
Rch SENSOR ASS'Y
Gch SENSOR ASS'Y
Bch SENSOR ASS'Y
P2 P3
SHP IN
2 GASO OUT
SHD IN
GND
CCD R GND
CCD R IN
CCD G GND
CCD G IN
CCD B GND
CCD B IN
SHP
2GASO
SHD
E101 (B-IN)
E301 (G-IN)
E501 (R-IN)
Q101-Q111
B Channel SAMPLE/HOLD
Q112-Q119
B Channel PREAMP.
R127 (B-DC1)
R707 (B-WCLP)
PREAMP SUB
Q301-Q311
G Channel SAMPLE/HOLD
Q312-Q319
G Channel PREAMP.
R327 (G-DC1)
BUFFER
R701 (G-WCLP)
Q701,Q702
PREAMP SUB
Q501-Q511
R Channel SAMPLE/HOLD
Q512-Q519
R Channel PREAMP.
R527 (R-DC1)
R705 (R-WCLP)
PREAMP SUB
CF101
CF102
CF301
CF302
CF501
CF502
Q120
Q121
Q320
Q321
Q520
Q521
BUFFER
U101 SELECTOR
U301 SELECTOR
U501 SELECTOR
CH0
CH1
COM
A
2GASO
Q122-Q126
B Channel PREAMP.
R155 (B-GAIN)
R163 (B-DC2)
Q322-Q326
G Channel PREAMP.
R355 (G-GAIN)
R363 (G-DC2)
Q522-Q526
R Channel PREAMP.
R555 (R-GAIN)
R563 (R-DC2)
E103 (B-OUT)
E303 (G-OUT)
E503 (R-OUT)
+7V
P1
B-OUT
B-GND
+7V IN
+7V IN
+7V IN
+7V IN
G-OUT
G-GND
R-OUT
R-GND
GND
GND
GND
G-ADJ OUT
G-ADJ GND
HEAD SELECT
VOLTAGE REGULATOR
U1(b),Q1
+V REG
+7V
U1(a),Q2
–V REG
–5V
P2
–5V
–5V IN
–5V IN
GND
GND
GND
2GASO
2GASO IN
VOLTAGE REGULATOR
+7V
U9
REG
+5V
U20
REG
+3.3V
U17
REG
+5V
U10(a),Q13,Q14
+15.5V
+15V REG
+15V
U10(b),Q15,Q16
–9.5V
–9V REG
–9V


R CHANNEL PROCESS
G CHANNEL PROCESS
B CHANNEL PROCESS
PREAMP
P4 P4
9 8 PA R
7 10 PA G
1 16 PA B
R-IN
G-IN
B-IN
TP7101 <1>
TP7201 <2>
TP7301 <3>
IC7102<1> Q7102- Q7104<1>
IC7202<2> Q7202- Q7204<2>
IC7302<3> Q7302- Q7304<1>
AMP
OBCP
PBLK
IC7101<1> SELECTOR
IC7201<2> SELECTOR
IC7301<3> SELECTOR
IC7103, 7104<1> Q7105-Q7108, Q7110<1>
IC7203, 7204<2> Q7205-Q7208, Q7210<1>
IC7303, 7304<3> Q7305-Q7308, Q7310<1>
GAIN CONTROL
FROM DSP/ ENC
AGC
RGAIN1
#RGAIN2
WS R
#GGAIN2
WS G
BGAIN
#BGAIN2
WS B
CP
R-PED
G-PED
B-PED
RPED2
#GPED2
#BPED2
PEDESTAL LEVEL CONTROL
IC7104<1> +0.5V IC7105<1> Q7111<1>
IC7204<2> +0.5V IC7205<2> Q7211<2>
IC7304<3> +0.5V IC7305<3> Q7311<3>
IC7108<1> SELECTOR
IC7208<2> SELECTOR
IC7308<3> SELECTOR
Q7113-Q7116<1>
Q7213-Q7216<2>
Q7313-Q7316<3>
PRE GAMMA
TP7101<1> (R GAIN2)
TP7201<2> (G GAIN2)
TP7301<3> (G GAIN2)
KNEE CONT 1
KNEE CONT 2
KNEE CONT 3
KNEE CONT 4
IC7105<1> Q7117- Q7122<1>
IC7205<2> Q7217- Q7222<2>
IC7305<3> Q7317- Q7322<3>
CPO
PP R
PP G
PP B
TO DSP/ENC
RPUL
#GPUL
#BPUL
IC7102<1>
IC7202<2>
IC7103<3>
P1 P6
DRIVE
6 16 OB CP
7 15 PBL
IC7001<4>
VOLTAGE DIVIDER
+6.7V
+5V
+0.5V
IC7005 SELECTOR
IC7006<4> VOLTAGE FOLLOWER
KNEE CONT 1
KNEE CONT 2
KNEE CONT 3
KNEE CONT 4
AWC CONT
AWC CBNT
PP CP
DADT
DACK
DACS
NACSLD
NACK
NADI
IC7008<4>
IC7007<4> PEDESTAL/GAIN
DI
CLK
CS/LD
A01
A02
A03
A04
A05
A06
A07
A08
A09
A10
A11
A12
IC7507<5> WHITE SHADING
LD
IC7505<5>
IC7503<5>
AMP
WS R
WS G
WS B

DRIVE
P1 P6
11 11 S CLK
12 30 S DATA
10 12 SL CAD

IC8009<9>
TO PREPROCESS
R-GAIN
B-GAIN
R-PED
G-PED
B-PED
AGC
AD1
AD2
AD3
AD4
AD5
AD6
DI
CLK
LD

FRONT TOGGLE
P5 P2
16 ID-CO1
IC8015 AMP
IC8015 AMP
SCFINE
AD8
AD9
AD10
AD11
AD12

IC8007<9>
CHARA
RESET1
VC
DT
PCL
CLK
XOSI
CS
CSYNC

IC8044<9>

+3.5V
IC8001<9>
RESET SIGNAL GENERATOR
RESET
IC8020<9>
COMPARATOR
RESET1

IC8048<7>
D
CK
Q
Q

IC8004<9>
IC8004<9>
IC8004<9>
IC8004<9>
IC8042<9>

TO PREPROCESS
DACS
DACK
KEY
DADT
AWC-CONT
DASC1
HEAD SELECT

IC8005<9>
R/B
CS
SK
DI
DO
WC

IP8003<9>
MICROPROCESSOR
P83
P82
AD1
P81
P86
P52
P60
P61
P63
P64
P62
IRQ0
IRQ1
AD3
IRQ2
AD-A11
D8-D15
64-67
72-79
82-89

R TALLY
IP-BV
RXD1
VTR CAM DATA
TXD1
CAM VTR DATA
TO VTR SYSCON
FROM VTR SYSCON
TO VTR SYSCON

RESET
X8001
XTAL
EXTAL

IC8006<9>
SELECTOR
A13
A14
A15
A23
PS5
A17
A
B
C
G2A
G2B
G1
Y0
Y1

HWR
RD
P80
WEN
REN
INT

IC8800<11>
D/A CONVERTER
G0
G9
R0
R9
B0
B9
CLOCK
DTCLK

IC8806<11>
IC8806<11>
IC8809<11>
Q8803
Q8805
Q8806
BUFFER
CAM Y
CAM PR
CAM PB
TO VIDEO
TO CHRA
FROM VIDEO
GO CHRA BLK

+7V
IC8754 Q8750
+6.7V REG
+8.7V
-5.6V
IC8754 Q8753
-4.6V REG
-4.6V
+5.6V
IC8755 Q8754
+5V REG
+5VD
+3.6V
IC8755 Q8757
+2.5V REG
+2.5V

CHARA
DSPSYNC
Q46
Q8044.8045
BUFFER
Q8038.8039 Q8047-Q8050 Q8055.8056
MIX/AMP
CAM OUT
P100
CAM OUT
AV OUT

IC8037<8>
D/A CONVERTER
RDUT
GDUT
BDUT
BPF
Q8035
Q8026
FL8002
Q8028
BUFFER
FL
MONI
MONI Y
TO VIDEO
RGBSYNC

IC8030<7>
GATE ARRAY LOGIC
ADRS0
ADRS7
DATA0
DATA7
168-175
157-164
WEN
REN
CSYNC
SCB
INV02
INV03
FBLK
FSYNC
HCLR
VCLR
DSPSYNC
DSPBLK
RYIN0
RYIN9
YIN0
YIN9
BCIN0
BCIN9
FVD
INV13
FWHD
INV12
YOUT0
YOUT9
COUT0
COUT9
CCDCK
SCR
CLKD
CDIN
VC1
VCO
SCIN
FSC4
FVR
SPCD
SLPF
HPCD
HLPF2
HLPF1
GLSYNC
BSD
GLBSC
SCMP
CLR
TCLR
PDR
RESET
CP2
TO PREPROCESS
CP
116

IC8029<6>
GATE ARRAY
ADRS0
ADRS11
DATA0
DATA7
190-201
177-184
WEN
REN
BMREQ
MONI0
MONI9
ADRS12
CLOCK1
DTCLK
HDN
SYNC1
VDN
SYNC2
SYNC3
SYNCB
SYNCS
DSYNC1
DSYNC2
DSYNCS1
DSYNCS2
DSYNCB
RGB-SYNC
DSPSYNC
DSPBLK
RYR2
RYR10
YG2
YG11
BYB2
BYB11
CRY0-CRY9
CY0-CY9
CBY0-CBY9
CK2OUT

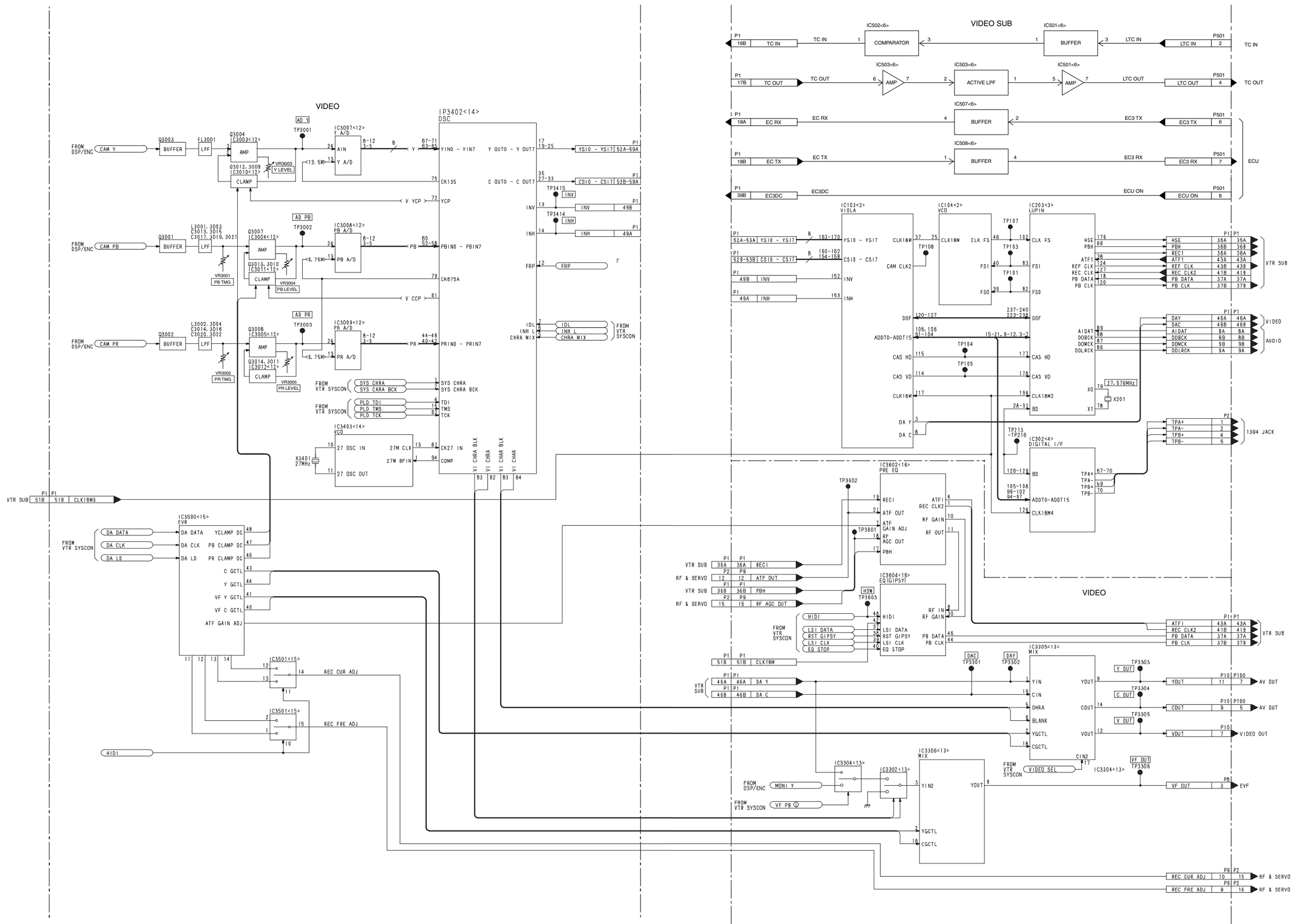
FROM PRE PROCESS
PP R
PP G
PP B
RIN
GIN
BIN
IC8010<6>
R A/D CONVERTER
IC8011<6>
G A/D CONVERTER
IC8012<6>
B A/D CONVERTER
VIN
CLK
D0
D9
1-5, 8-12
CRD0-CRD9
3-12
CGD0-CGD9
17-26
CBD0-CBD9
29-38
RIN0
RIN9
GIN0
GIN9
BIN0
BIN9

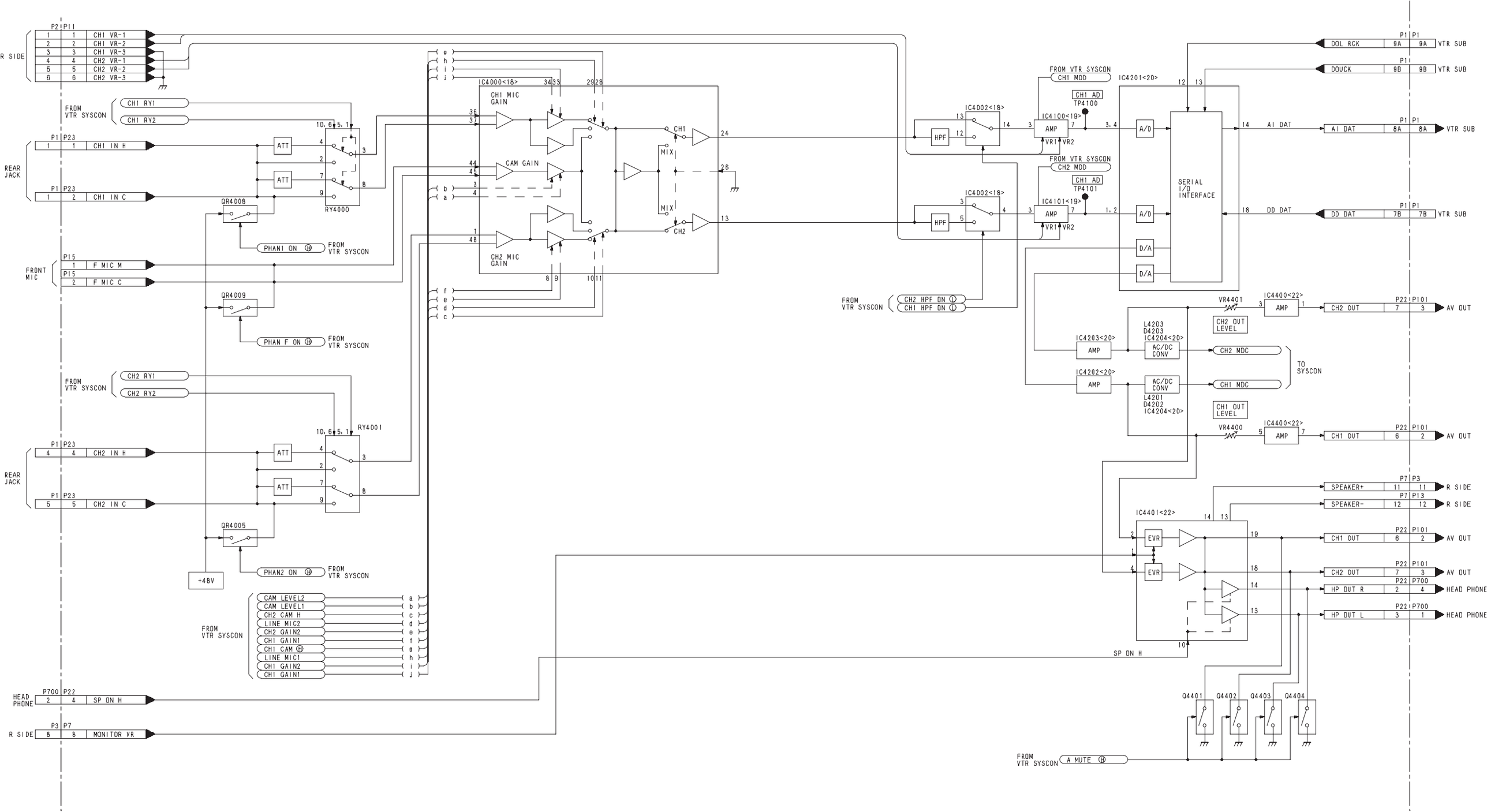
IC8047<6>
IC8047<6>

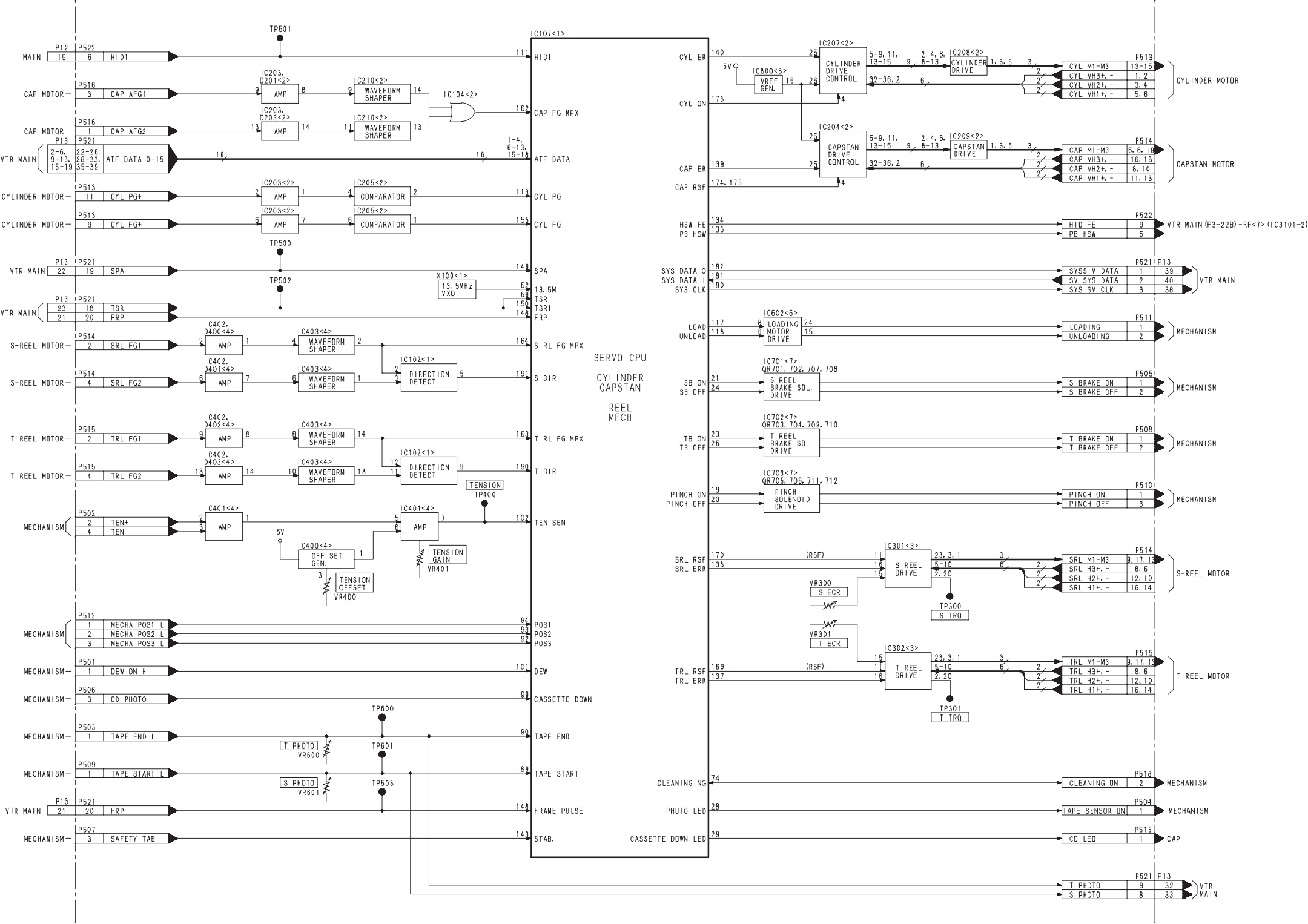
IC8422, 8425
X8003
D8006
D8007
IC8031, 8032
X8002
D8004
D8005
VR8283
INT AFSC
IC8432<7>
LPF
AMP
IC8423<7>
LOGIC CONTRDL
INT
CLK28M
P6 P1
6 16
DRIVE

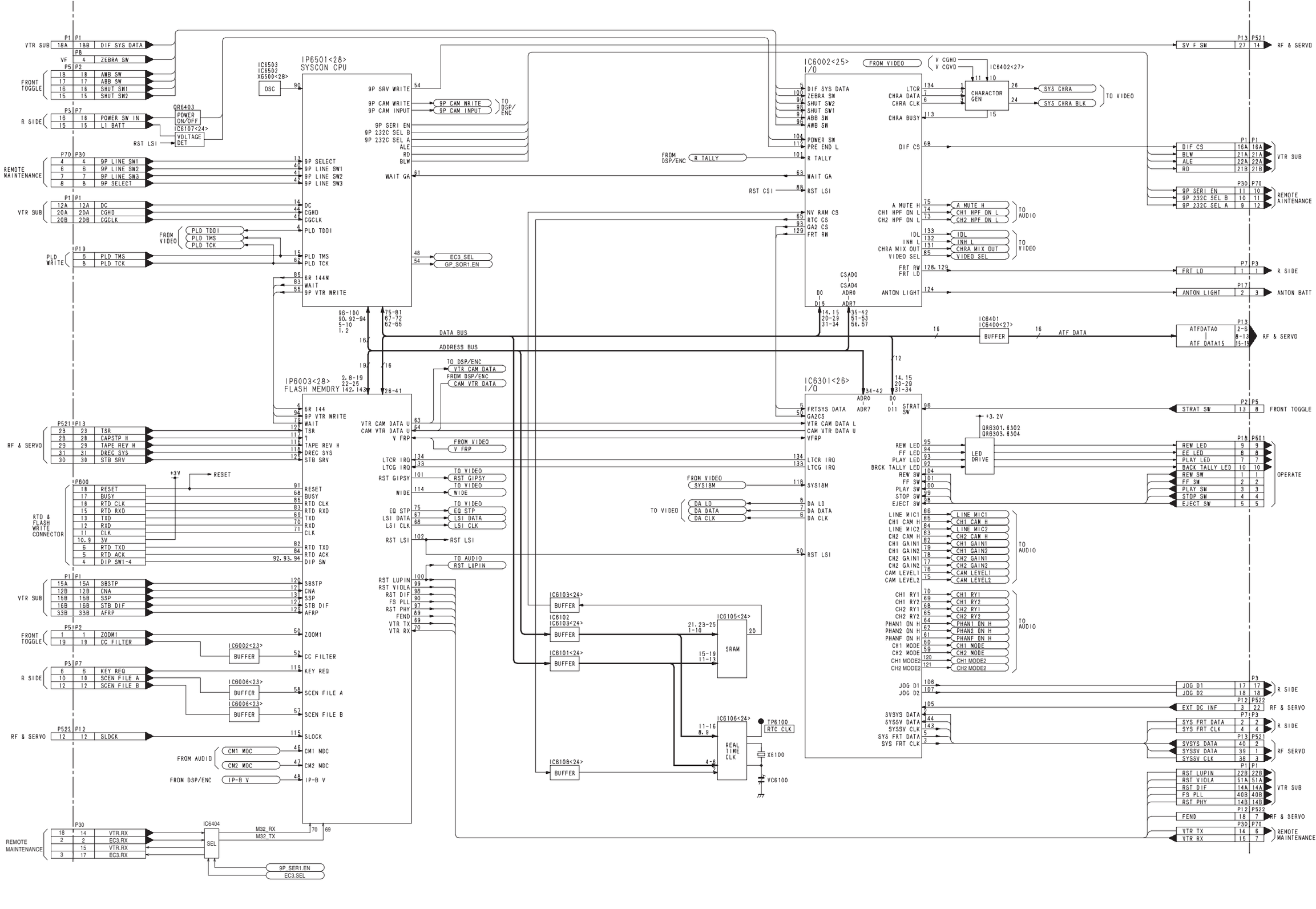
IC8035<8>
IC8039<8>
SYNC SEP
Q8021
BUFFER
GL IN
P10 P100
3 3
AV OUT
IC8041<8>
BURST SEP
Q8023-Q8025
Q8022
BUFFER

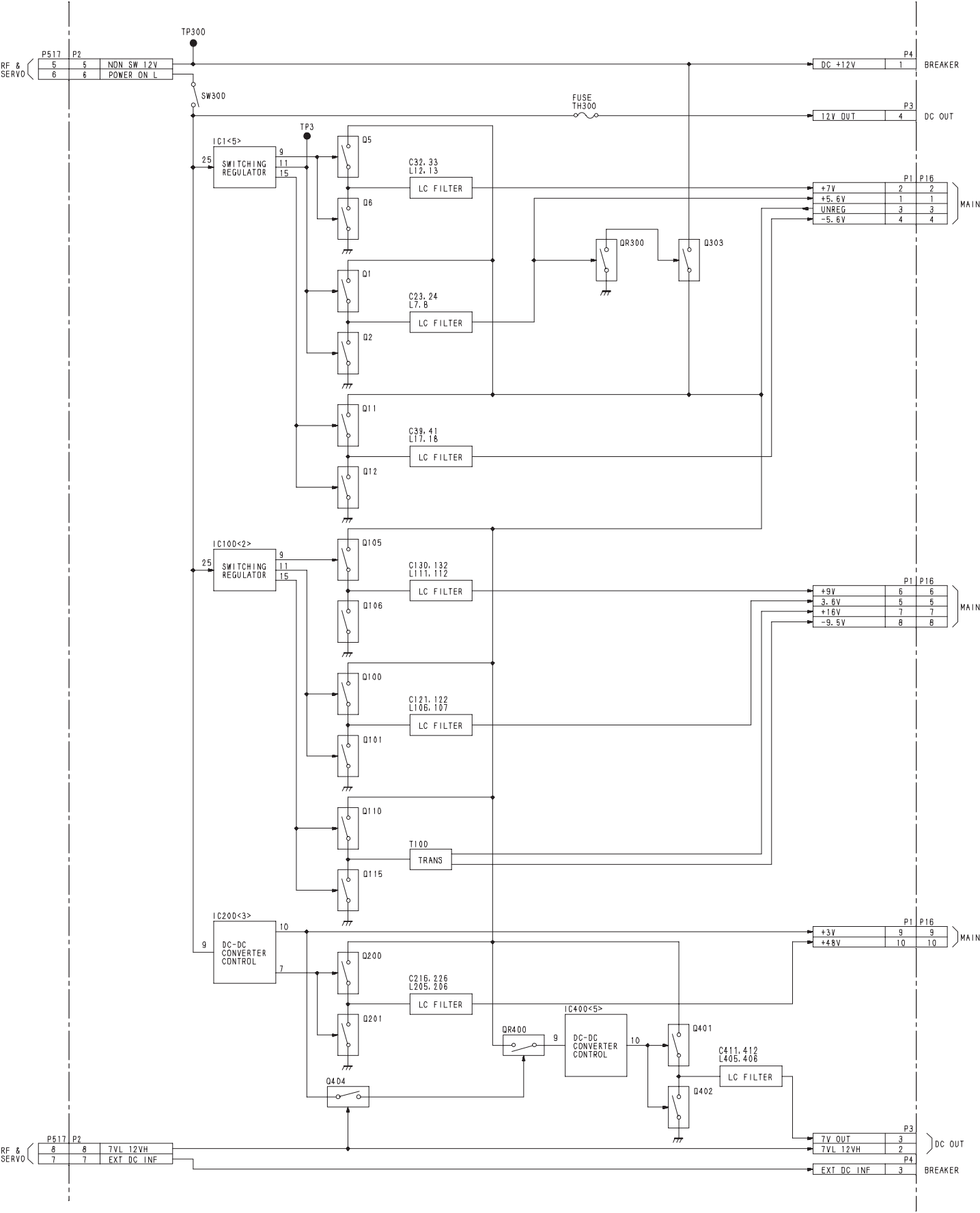
IC8051<9>
IC8049<7>
"H"
SCFINE
Q8004
IC8050
D
CK
CLR
Q
IC8049<7>

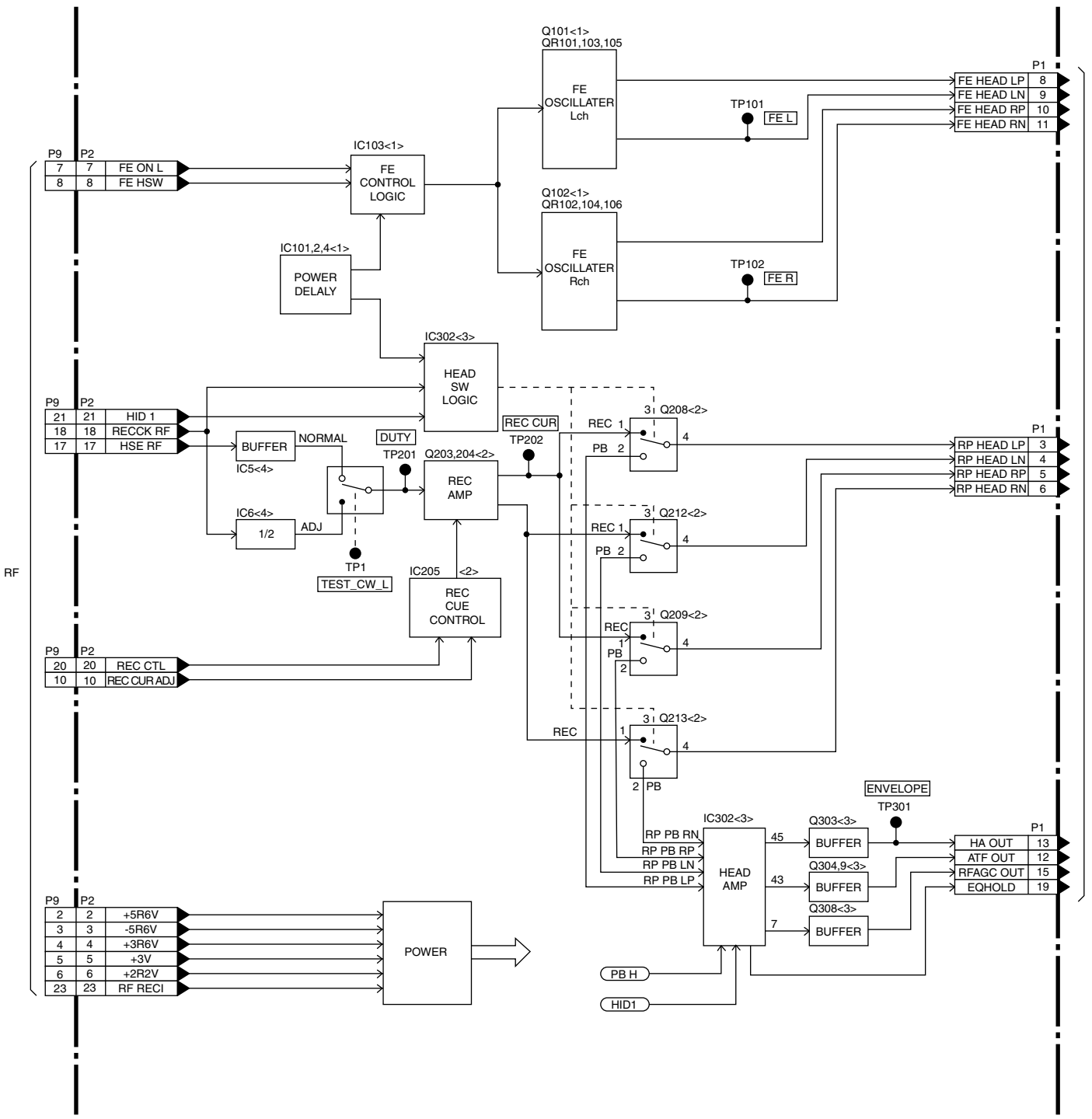

VIDEO
VIDEO SUB
IP3402<14>
DSC
IC3403<14>
VCO
IC3500<15>
EVR
IC1103<2>
VIOLA
IC1104<2>
VCO
IC203<3>
LUPIN
IC302<4>
DIGITAL I/F
IC3602<16>
PRE EQ
IC3604<16>
EQ(GIPSY)
IC3305<13>
MIX
IC3306<13>
MIX
IC3501<15>
IC3501<15>
IC3302<13>
IC3304<13>
IC3304<13>
FROM DSP/ENC
CAM Y
CAM PB
CAM PR
BUFFER
LPF
AMP
CLAMP
Y A/D
PB A/D
PR A/D
VR3003 Y LEVEL
VR3001 PB TMG
VR3004 PB LEVEL
VR3002 PR TMG
VR3005 PR LEVEL
AD Y
AD PB
AD PR
TP3001
TP3002
TP3003
Q3003
Q3001
Q3002
Q3004
Q3007
Q3008
FL3001
L3001, 3003
C3013, 3015
C3017, 3019, 3021
L3002, 3004
C3014, 3016
C3020, 3022
Q3012, 3009
IC3010<12>
Q3013, 3010
IC3011<12>
Q3014, 3011
IC3012<12>
IC3007<12>
IC3008<12>
IC3009<12>
IC3004<12>
IC3005<12>
13.5M
6.75M
X3401
27MHz
27 OSC IN
27 OSC OUT
27M CLK
27M BFIN
CK27 IN
COMP
VI CHRA BLK
VI CHRA
VI CHAR BLK
VI CHAR
Y OUT0 - Y OUT7
C OUT0 - C OUT7
YIN0 - YIN7
PBIN0 - PBIN7
PRIN0 - PRIN7
CK135
CK675A
YCP
PBP
PRP
IDL
INH L
CHRA MIX
SYS CHRA
SYS CHRA BCK
TDI
TMS
TCK
FROM VTR SYSCON
SYS CARA BCK
PLD TDI
PLD TMS
PLD TCK
YSI0 - YSI7
CSI0 - CSI7
INV
INH
FRP
TP3415
TP3414
TO VTR SYSCON
P1 P1
VTR SUB 51B 51B CLK18M3
DA DATA
DA CLK
DA LD
YCLAMP DC
PB CLAMP DC
PR CLAMP DC
C GCTL
Y GCTL
VF Y GCTL
VF C GCTL
ATF GAIN ADJ
HIDI
REC CUR ADJ
REC FRE ADJ
TC IN
TC OUT
EC RX
EC TX
EC3DC
ECU ON
LTC IN
LTC OUT
EC3 TX
EC3 RX
COMPARATOR
ACTIVE LPF
BUFFER
AMP
IC502<6>
IC503<6>
IC507<6>
IC508<6>
IC501<6>
P501
ECU
CLK18M
CLK FS
FSI
FSO
DSF
ADDT0-ADDT15
CAS HD
CAS VD
CLK18M2
BD
DA Y
DA C
CAM CLK2
TP107
TP103
TP101
TP108
TP104
TP105
X201
27.576MHz
AIDAT
DDBCK
DDMCK
DDLRCK
HSE
PBH
REC1
ATF1
REF CLK
REC CLK2
PB DATA
PB CLK
VTR SUB
VIDEO
AUDIO
1394 JACK
TPA+
TPA-
TPB+
TPB-
RECI
ATF OUT
ATF GAIN ADJ
RF AGC OUT
PBH
RF GAIN
RF OUT
RF IN
HSW
TP3602
TP3601
TP3603
LSI DATA
RST GIPSY
LSI CLK
EQ STOP
TP3301
TP3302
DAC
DAY
Y OUT
C OUT
V OUT
TP3303
TP3304
TP3305
YIN
CIN
DHRA
BLANK
YGCTL
CGCTL
YOUT
COUT
VOUT
CIN2
VIDEO SEL
MONI Y
VF PB
TP3306
VF OUT
EVF
AV OUT
VIDEO OUT
RF & SERVO

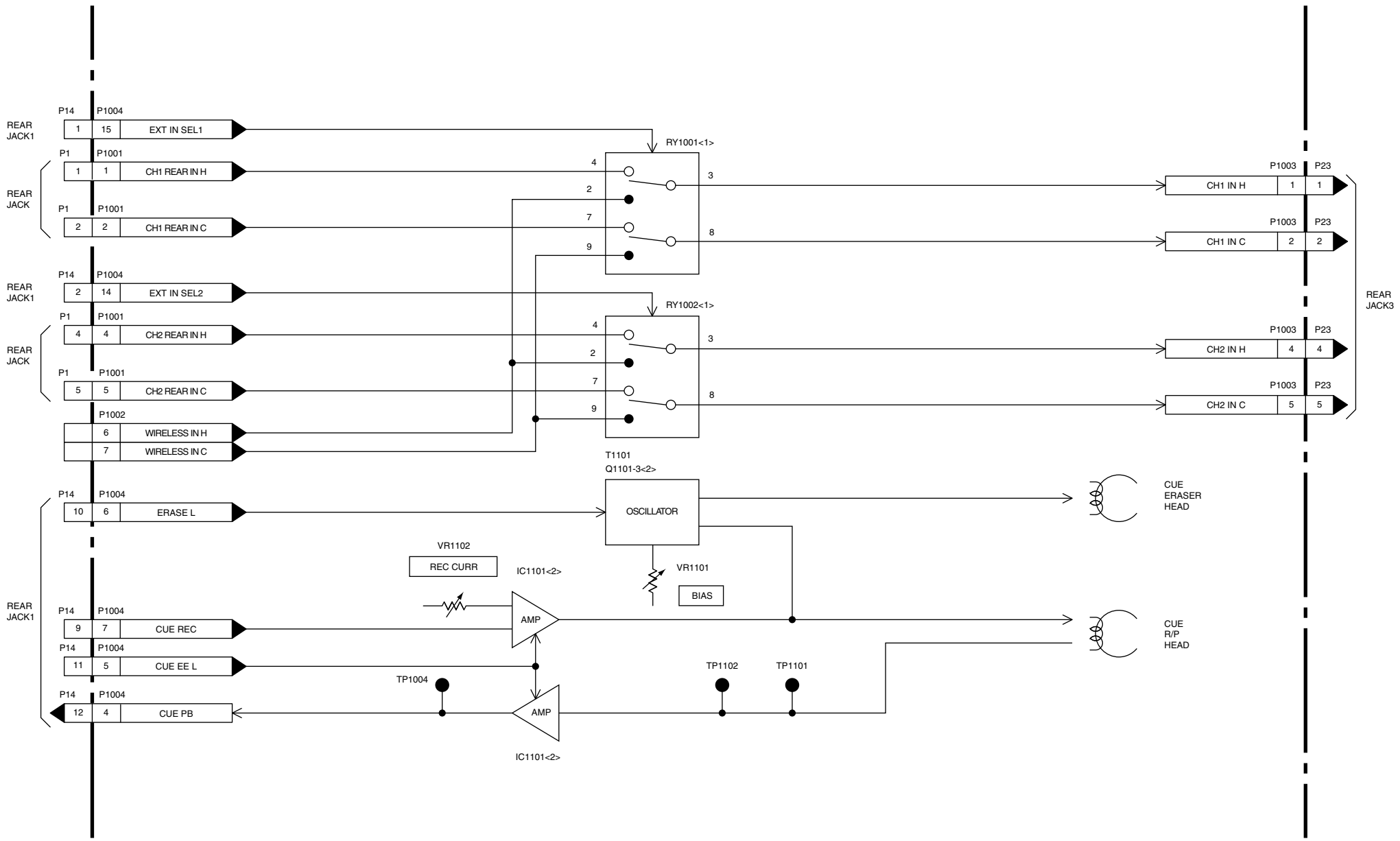

R SIDE
P2 P11
1 1 CH1 VR-1
2 2 CH1 VR-2
3 3 CH1 VR-3
4 4 CH2 VR-1
5 5 CH2 VR-2
6 6 CH2 VR-3
FROM VTR SYSCON
CH1 RY1
CH1 RY2
REAR JACK
P1 P23
1 1 CH1 IN H
1 2 CH1 IN C
ATT
RY4000
QR4008
PHAN1 ON H
FRONT MIC
P15
1 F MIC M
2 F MIC C
QR4009
PHAN F ON H
CH2 RY1
CH2 RY2
RY4001
4 4 CH2 IN H
5 5 CH2 IN C
QR4005
PHAN2 ON H
+48V
IC4000<18>
CH1 MIC GAIN
CAM GAIN
CH2 MIC GAIN
MIX
CH1
CH2
CAM_LEVEL2
CAM_LEVEL1
CH2 CAM H
LINE MIC2
CH2 GAIN2
CH1 GAIN1
CH1 CAM H
LINE MIC1
CH2 GAIN2
CH1 GAIN1
HPF
IC4002<18>
CH2 HPF ON L
CH1 HPF ON L
FROM VTR SYSCON CH1 MOD
CH1 AD TP4100
IC4100<19>
AMP
VR1 VR2
FROM VTR SYSCON CH2 MOD
CH1 AD TP4101
IC4101<19>
IC4201<20>
A/D
D/A
SERIAL I/O INTERFACE
AI DAT
DD DAT
P1 P1
DOL RCK 9A 9A VTR SUB
DOUCK 9B 9B VTR SUB
AI DAT 8A 8A VTR SUB
DD DAT 7B 7B VTR SUB
VR4401
CH2 OUT LEVEL
IC4400<22>
P22 P101
CH2 OUT 7 3 AV OUT
IC4203<20>
L4203 D4203 IC4204<20>
AC/DC CONV
CH2 MDC
IC4202<20>
CH1 MDC
TO SYSCON
L4201 D4202 IC4204<20>
CH1 OUT LEVEL
VR4400
CH1 OUT 6 2 AV OUT
P7 P3
SPEAKER+ 11 11 R SIDE
P7 P13
SPEAKER- 12 12 R SIDE
IC4401<22>
EVR
CH1 OUT 6 2 AV OUT
CH2 OUT 7 3 AV OUT
P22 P700
HP OUT R 2 4 HEAD PHONE
P22 P700
HP OUT L 3 1 HEAD PHONE
SP ON H
Q4401
Q4402
Q4403
Q4404
FROM VTR SYSCON A MUTE H
HEAD PHONE
P700 P22
2 4 SP ON H
R SIDE
P3 P7
8 8 MONITOR VR


SERVO CPU
CYLINDER
CAPSTAN
REEL
MECH
IC107<1>
MAIN
CAP MOTOR
VTR MAIN
CYLINDER MOTOR
S-REEL MOTOR
T REEL MOTOR
MECHANISM
HI D1
CAP AFG1
CAP AFG2
ATF DATA 0-15
CYL PG+
CYL FG+
SPA
TSR
FRP
SRL FG1
SRL FG2
TRL FG1
TRL FG2
TEN+
TEN
MECHA POS1 L
MECHA POS2 L
MECHA POS3 L
DEW ON H
CD PHOTO
TAPE END L
TAPE START L
FRP
SAFETY TAB
HIDI
CAP FG MPX
ATF DATA
CYL PG
CYL FG
SPA
13.5M
TSR
TSR1
FRP
S RL FG MPX
S DIR
T RL FG MPX
T DIR
TEN SEN
POS1
POS2
POS3
DEW
CASSETTE DOWN
TAPE END
TAPE START
FRAME PULSE
STAB.
AMP
WAVEFORM SHAPER
DIRECTION DETECT
COMPARATOR
OFF SET GEN.
TENSION GAIN
TENSION OFFSET
TENSION
TP501
TP502
TP500
TP600
TP601
TP503
TP400
X100<1>
13.5MHz VXO
T PHOTO
VR600
S PHOTO
VR601
VR400
VR401
CYL ER
CYL ON
CAP ER
CAP RSF
HSW FE
PB HSW
SYS DATA O
SYS DATA I
SYS CLK
LOAD
UNLOAD
SB ON
SB OFF
TB ON
TB OFF
PINCH ON
PINCH OFF
SRL RSF
SRL ERR
TRL RSF
TRL ERR
CLEANING NG
PHOTO LED
CASSETTE DOWN LED
5V
VREF GEN.
CYLINDER DRIVE CONTROL
CAPSTAN DRIVE CONTROL
CYLINDER DRIVE
CAPSTAN DRIVE
LOADING MOTOR DRIVE
S REEL BRAKE SOL. DRIVE
T REEL BRAKE SOL. DRIVE
PINCH SOLENOID DRIVE
S REEL DRIVE
T REEL DRIVE
VR300
S ECR
VR301
T ECR
TP300
S TRQ
TP301
T TRQ
CYL M1-M3
CYL VH3+, -
CYL VH2+, -
CYL VH1+, -
CAP M1-M3
CAP VH3+, -
CAP VH2+, -
CAP VH1+, -
HID FE
PB HSW
SYSS V DATA
SV SYS DATA
SYS SV CLK
LOADING
UNLOADING
S BRAKE ON
S BRAKE OFF
T BRAKE ON
T BRAKE OFF
PINCH ON
PINCH OFF
SRL M1-M3
SRL H3+, -
SRL H2+, -
SRL H1+, -
TRL M1-M3
TRL H3+, -
TRL H2+, -
TRL H1+, -
CLEANING ON
TAPE SENSOR ON
CD LED
T PHOTO
S PHOTO
CYLINDER MOTOR
CAPSTAN MOTOR
VTR MAIN (P3-22B) -RF<7> (IC3101-2)
VTR MAIN
MECHANISM
S-REEL MOTOR
T REEL MOTOR
CAP
VTR MAIN


IP6501<28>
SYSCON CPU
IC6503
IC6502
X6500<28>
OSC
IC6002<25>
I/O
FROM VIDEO
IC6402<27>
CHARACTOR GEN
IC6301<26>
I/O
IP6003<28>
FLASH MEMORY
IC6401
IC6400<27>
BUFFER
QR6403
POWER ON/OFF
IC6107<24>
VOLTAGE DET
RST LSI
R TALLY
WAIT GA
RST CSI
DATA BUS
ADDRESS BUS
ATF DATA
LED DRIVE
QR6301, 6302
QR6303, 6304
+3.2V
+3V
RESET
SRAM
IC6105<24>
IC6106<24>
REAL TIME CLK
TP6100
RTC CLK
X6100
VC6100
IC6101<24>
IC6102
IC6103<24>
IC6108<24>
IC6404
SEL
M32_RX
M32_TX
9P_SER1.EN
EC3.SEL
TO DSP/ENC
TO VIDEO
TO AUDIO
FROM DSP/ENC
FROM AUDIO
VTR CAM DATA
CAM VTR DATA
V FRP
RST GIPSY
WIDE
EQ STP
LSI DATA
LSI CLK
RST LUPIN
RST VIOLA
RST DIF
FS PLL
RST PHY
FEND
VTR TX
VTR RX
SYS18M
DA LD
DA DATA
DA CLK
CHARA MIX OUT
VIDEO SEL
A MUTE H
CH1 HPF ON L
CH2 HPF ON L
IDL
INH L
FRT RW
FRT LD
ANTON LIGHT
STRAT SW
REW LED
FF LED
PLAY LED
BACK TALLY LED
REW SW
FF SW
PLAY SW
STOP SW
EJECT SW
LINE MIC1
CH1 CAM H
LINE MIC2
CH2 CAM H
CH1 GAIN1
CH1 GAIN2
CH2 GAIN1
CH2 GAIN2
CAM LEVEL1
CAM LEVEL2
CH1 RY1
CH1 RY2
CH2 RY1
CH2 RY2
PHAN1 ON H
PHAN2 ON H
PHANF ON H
CH1 MODE
CH2 MODE
CH1 MODE2
CH2 MODE2
JOG D1
JOG D2
SVSYS DATA
SYSSV DATA
SYSSV CLK
SYS FRT DATA
SYS FRT CLK
EXT DC INF
SYS CHRA
SYS CHRA BLK
DIF CS
BLW
ALE
RD
9P SERI EN
9P 232C SEL B
9P 232C SEL A
FRT LD
ANTON LIGHT
ATFDATA0 | ATF DATA15
SV F SW
VTR SUB
FRONT TOGGLE
R SIDE
REMOTE MAINTENANCE
RF & SERVO
OPERATE
RTD & FLASH WRITE CONNECTOR


TP300
P517 P2
5 5 NON SW 12V
6 6 POWER ON L
RF & SERVO
SW300
FUSE TH300
P4
DC +12V 1
BREAKER
P3
12V OUT 4
DC OUT
TP3
IC1<5>
25
SWITCHING REGULATOR
9
11
15
Q5
Q6
C32, 33
L12, 13
LC FILTER
P1 P16
+7V 2 2
+5.6V 1 1
UNREG 3 3
-5.6V 4 4
MAIN
QR300
Q303
Q1
Q2
C23, 24
L7, 8
LC FILTER
Q11
Q12
C39, 41
L17, 18
LC FILTER
IC100<2>
25
SWITCHING REGULATOR
9
11
15
Q105
Q106
C130, 132
L111, 112
LC FILTER
P1 P16
+9V 6 6
3.6V 5 5
+16V 7 7
-9.5V 8 8
MAIN
Q100
Q101
C121, 122
L106, 107
LC FILTER
Q110
Q115
T100
TRANS
IC200<3>
9
DC-DC CONVERTER CONTROL
10
7
Q200
Q201
C215, 226
L205, 206
LC FILTER
P1 P16
+3V 9 9
+48V 10 10
MAIN
QR400
9
IC400<5>
DC-DC CONVERTER CONTROL
10
Q401
Q402
C411, 412
L405, 406
LC FILTER
Q404
P517 P2
8 8 7VL 12VH
7 7 EXT DC INF
RF & SERVO
P3
7V OUT 3
7VL 12VH 2
DC OUT
P4
EXT DC INF 3
BREAKER


Q101<1>
QR101,103,105
FE
OSCILLATER
Lch
TP101
FE L
P1
FE HEAD LP 8
FE HEAD LN 9
FE HEAD RP 10
FE HEAD RN 11
P9 P2
7 7 FE ON L
8 8 FE HSW
IC103<1>
FE
CONTROL
LOGIC
Q102<1>
QR102,104,106
FE
OSCILLATER
Rch
TP102
FE R
IC101,2,4<1>
POWER
DELALY
IC302<3>
HEAD
SW
LOGIC
P9 P2
21 21 HID 1
18 18 RECCK RF
17 17 HSE RF
BUFFER
IC5<4>
NORMAL
DUTY
TP201
Q203,204<2>
REC
AMP
REC CUR
TP202
REC 1
PB 2
3
4
Q208<2>
P1
RP HEAD LP 3
RP HEAD LN 4
RP HEAD RP 5
RP HEAD RN 6
IC6<4>
1/2
ADJ
TP1
TEST_CW_L
Q212<2>
IC205 <2>
REC
CUE
CONTROL
Q209<2>
RF
P9 P2
20 20 REC CTL
10 10 REC CUR ADJ
Q213<2>
ENVELOPE
TP301
IC302<3>
HEAD
AMP
RP PB RN
RP PB RP
RP PB LN
RP PB LP
45
43
7
Q303<3>
Q304,9<3>
Q308<3>
BUFFER
P1
HA OUT 13
ATF OUT 12
RFAGC OUT 15
EQHOLD 19
P9 P2
2 2 +5R6V
3 3 -5R6V
4 4 +3R6V
5 5 +3V
6 6 +2R2V
23 23 RF RECI
POWER
PB H
HID1


REAR JACK1
P14
P1004
1
15
EXT IN SEL1
RY1001<1>
REAR JACK
P1
P1001
1
1
CH1 REAR IN H
2
2
CH1 REAR IN C
4
2
7
9
3
8
P1003
P23
CH1 IN H
CH1 IN C
REAR JACK1
2
14
EXT IN SEL2
RY1002<1>
REAR JACK
4
4
CH2 REAR IN H
5
5
CH2 REAR IN C
CH2 IN H
CH2 IN C
REAR JACK3
P1002
6
WIRELESS IN H
7
WIRELESS IN C
T1101
Q1101-3<2>
10
6
ERASE L
OSCILLATOR
CUE ERASER HEAD
VR1102
REC CURR
IC1101<2>
VR1101
BIAS
AMP
9
7
CUE REC
CUE R/P HEAD
11
5
CUE EE L
TP1004
TP1102
TP1101
12
4
CUE PB
AMP
IC1101<2>

VIDEO

VIDEO SUB

IP3402<14>
DSC

IC3403<14>
VCO

IC3500<15>
EVR

IC3501<15>

IC3602<16>
PRE EQ

IC3604<16>
EQ(GIPSY)

IC103<2>
VIOLA

IC104<2>
VCO

IC203<3>
LUPIN

IC3305<13>
MIX

IC3306<13>
MIX

IC302<4>
DIGITAL I/F

IC502<6>
IC501<6>
IC503<6>
IC507<6>
IC508<6>

FROM DSP/ENC
CAM Y
CAM PB
CAM PR
BUFFER
LPF
AMP
CLAMP
Y LEVEL
PB LEVEL
PR LEVEL
PB TMG
PR TMG
AD Y
AD PB
AD PR
Y A/D
PB A/D
PR A/D
YIN0 - YIN7
PBIN0 - PBIN7
PRIN0 - PRIN7
Y OUT0 - Y OUT7
C OUT0 - C OUT7
CK135
CK675A
V YCP
V CCP
YCP
INV
INH
FRP
IDL
INH L
CHRA MIX
FROM VTR SYSCON
SYS CHRA
SYS CHRA BCK
PLD TDI
PLD TMS
PLD TCK
TDI
TMS
TCK
27M CLK
27M BFIN
CK27 IN
COMP
27 OSC IN
27 OSC OUT
X3401 27MHz
VI CHRA BLK
VI CHRA
VI CHAR BLK
VI CHAR
VTR SUB
RF & SERVO
DA DATA
DA CLK
DA LD
YCLAMP DC
PB CLAMP DC
PR CLAMP DC
C GCTL
Y GCTL
VF Y GCTL
VF C GCTL
ATF GAIN ADJ
REC CUR ADJ
REC FRE ADJ
HIDI
TC IN
TC OUT
EC RX
EC TX
EC3DC
EC3 TX
EC3 RX
ECU ON
LTC IN
LTC OUT
ECU
YS10 - YS17
CS10 - CS17
CLK18M
CLK18N
CAM CLK2
CLK FS
FS1
FS0
DSF
ADDT0-ADDT15
CAS HD
CAS VD
CLK18M2
BD
DA Y
DA C
27.576MHz
X201
HSE
PBH
ATF1
REF CLK
REC CLK
PB DATA
PB CLK
REC CLK2
DAY
DAC
AIDAT
DDBCK
DDMCK
DDLRCK
VIDEO
AUDIO
TPA+
TPA-
TPB+
TPB-
1394 JACK
RECI
ATF OUT
ATF GAIN ADJ
RF AGC OUT
PBH
RF GAIN
RF OUT
RF IN
LSI DATA
RST GIPSY
LSI CLK
EQ STOP
HSW
YIN
CIN
DHRA
BLANK
YGCTL
CGCTL
YOUT
COUT
VOUT
Y OUT
C OUT
V OUT
VF OUT
VIDEO SEL
MONI Y
VF PB
YIN2
CIN2
VTR SUB
AV OUT
VIDEO OUT
EVF

Electrical Adjustment

SYSTEM CONTROL

1-1. Real Time Clock Adjustment

BOARD	MAIN
TP	TP6100 (RTC CLK)
ADJ.	VC6100
MODE	EE
TAPE	-
M.EQ	Frequency Counter
SPEC.	2.048000KHz ± 0.020Hz (2.047980KHz to 2.048020KHz)

1. Adjust VC6100 so that the frequency at TP6100 is in the specification.

* Adjust in the condition that the MAIN P.C.B. was cold.

1-2. INT Frequency Adjustment

BOARD	MAIN
TP	TP8001
ADJ.	VR8283
MODE	EE
TAPE	-
M.EQ	Frequency Counter
SPEC.	28.63636KHz ± 80Hz

1. Adjust VR8283 at TP8001 so that the frequency is in the specification.

1-3. VDDM Voltage Adjustment

BOARD	MAIN
TP	TP3701(VDDM)
ADJ.	VR3701(VDDM_ADJ)
MODE	EE
TAPE	-
M.EQ	Digital Volt Meter
SPEC.	2.375V±0.02V

1. Adjust VR3701 so that the DC voltage at TP3701 is in the specification.

POWER

2-1. Switching Frequency Adjustment

BOARD	POWER
TP	TP3
ADJ.	VR2
MODE	EE
TAPE	-
M.EQ	Frequency Counter
SPEC.	119.50KHz ± 0.60KHz

1. Adjust VR2 so that the frequency at TP3 is in the specification.

* Measure 1 minute after power ON.

SERVO

3-1. T-Reel Torque Offset Adjustment

BOARD	RF&SERVO
TP	TP301,TP302(GND)
ADJ.	VR301
MODE	Service Menu
TAPE	-
M.EQ	Digital Volt Meter
SPEC.	60mV±4mV

1. Hold the cassette carriage at its down position without inserting any cassette.
2. Select VTR SERVICE 2/2.. in VTR MAIN menu using JOG dial button, and press JOG dial button.
3. Select T_TORQUE in VTR SERVICE 2/2 menu using JOG dial button, and press JOG dial button.
4. Monitoring the voltage at TP301 while locking the T-reel motor by hand, adjust VR301 so that the voltage is in the specification.
5. After finishing the adjustment, exit the Service Menu.

3-2. S-Reel Torque Offset Adjustment

BOARD	RF&SERVO
TP	TP300,TP302(GND)
ADJ.	VR300
MODE	Service Menu
TAPE	-
M.EQ	Digital Voltmeter
SPEC.	60mV±4mV

1. Hold the cassette carriage at its down position without inserting any cassette.
2. Select VTR SERVICE 2/2.. in VTR MAIN menu using JOG dial button, and press JOG dial button.
3. Select S_TORQUE in VTR SERVICE 2/2 menu using JOG dial button, and press JOG dial button.
4. Monitoring the voltage at TP300 while locking the S-reel motor by hand, adjust VR300 so that the voltage comes in the specification.
5. After finishing the adjustment, exit the Service Menu.

3-3. Tension Offset Voltage Adjustment

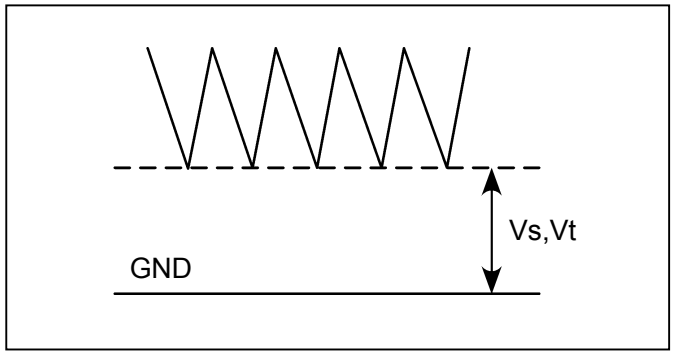
BOARD	RF&SERVO
TP	TP400(TENSION)
ADJ.	VR400
MODE	EJECT
TAPE	-
M.EQ	Digital Voltmeter
SPEC.	2.5V±0.1V

1. Adjust VR400 so that the DC voltage at TP400 is in the specification.

3-4. Beg./End Detect Sensitivity Adjustment

BOARD	RF&SERVO
TP	TP601(Vs:S PHOTO), TP600(Vt:T PHOTO)
ADJ.	VR601(Vs:S PHOTO) VR600(Vt:T PHOTO)
MODE	STOP
TAPE	VFK1369 (Tape for Beg./End Detection)
M.EQ	Oscilloscope
SPEC.	2.2V±0.6V

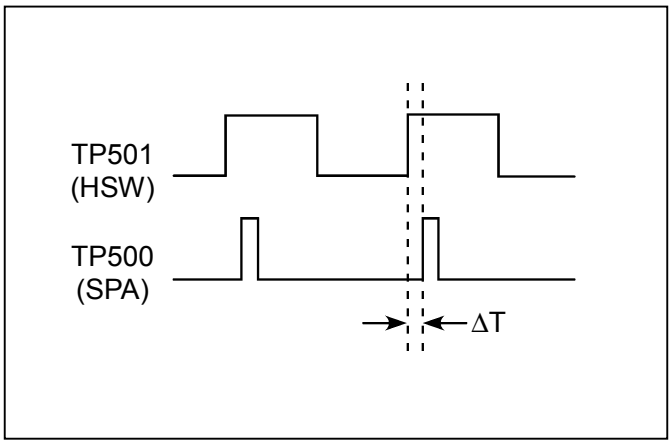
1. Select VTR SERVICE 2/2.. in VTR MAIN menu using JOG dial button, and press JOG dial button.
2. Select T/S_PHOTO in VTR SERVICE 2/2 menu using JOG dial button, and press JOG dial button.
3. Set the Tool for Tape Beg./End Detect Level Adjustment.
4. Monitoring the waveform at T/S_PHOTO menu, adjust VR600 so that the “T*.*V” is in the specification.
5. Monitoring the waveform at T/S_PHOTO menu, adjust VR601 so that the “S*.*V” is in the specification.



3-5. PG Shifter Adjustment

BOARD	RF&SERVO
TP	TP501(HSW),TP500(SPA)
ADJ.	[VTR SERVICE 2/2] PG SHIFT
MODE	STOP
TAPE	VFM3580KL (Color Bar)
M.EQ	Oscilloscope
SPEC.	ΔT=126.69±2.5μs

1. Select VTR SERVICE 2/2.. in VTR MAIN menu using JOG dial button, and press JOG dial button.
2. Select PG SHIFT in VTR SERVICE 2/2 menu using JOG dial button, and press JOG dial button.
3. Confirm that ΔT is within the specification.



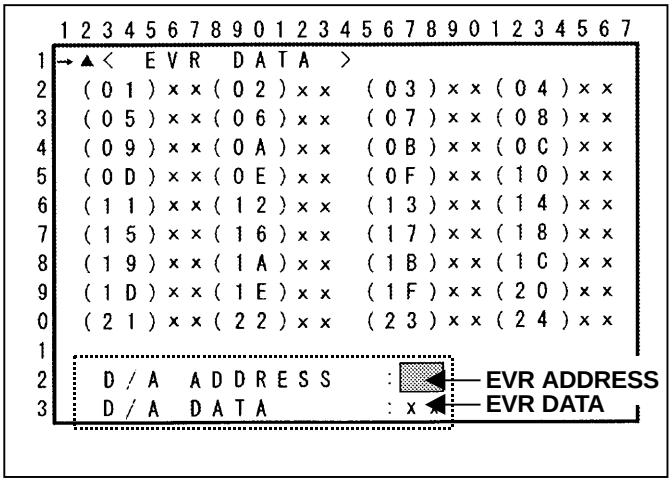
VIDEO

EVR operation

1. The operation is as follows.

D/A ADDRESS
(1) Select the D/A ADDRESS using the JOG dial button and press the JOG dial button.
(2) Change the address using the JOG dial button and press the JOG dial button.

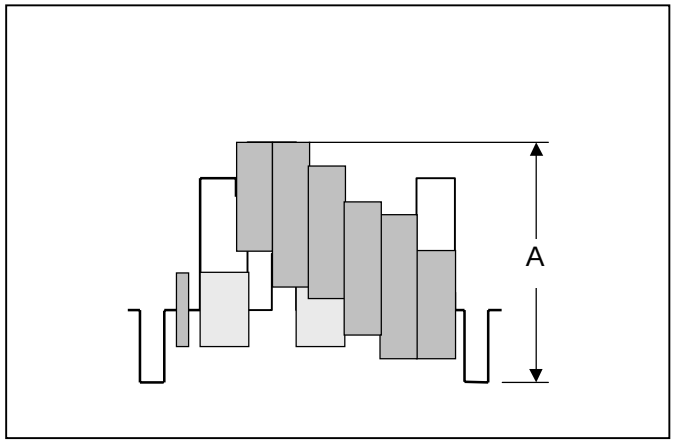
D/A DATA
(1) Select the D/A DATA using the JOG dial button and press the JOG dial button.
(2) Change the data using the JOG dial button and press the JOG dial button.



4-1. Video Out Level Adjustment (1)

BOARD	MAIN
TP	VIDEO OUT(75 ohm termination)
ADJ.	EVR [SERVICE MENU]
MODE	PLAY
TAPE	VFM3580KL (SMPT color bar)
M.EQ	WFM Monitor
SPEC	A=1.0±0.01Vp-p

1. [SERVICE MENU]
   EVR DATA..
   D/A ADDRESS:07
2. Playback the Alignment Tape and adjust D/A DATA so that the VIDEO OUT level is within the specification.

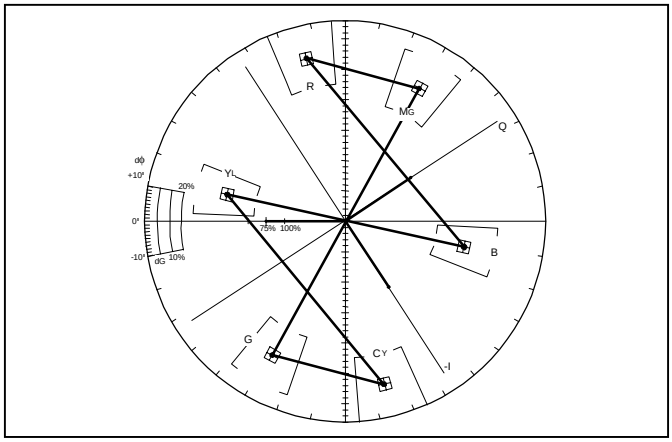


4-2. Video Out Level Adjustment (2)

BOARD	MAIN
TP	VIDEO OUT (75 ohm termination)
ADJ.	EVR [SERVICE MENU]
MODE	PLAY
TAPE	VFM3580KL (SMPT color bar 75%)
M.EQ	Vector Scope
SPEC	Shown figure

1. [SERVICE MENU]
   EVR DATA..
   D/A ADDRESS:06
2. Playback the Alignment Tape and adjust D/A DATA so that all the VIDEO OUT chroma levels come in each square frame on the Vector Scope.

<Note>
Vector Scope Setting : BARS(7.5%), SETUP(YES).

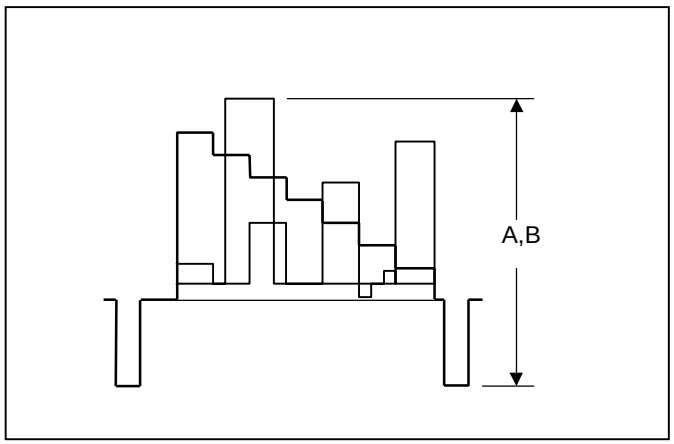


4-3. VF Out Level Adjustment

BOARD	MAIN
TP	VIDEO OUT(75ohm termination)
ADJ.	EVR [SERVICE MENU]
MODE	PLAY / EE
TAPE	VFM8530KL (SMPT color bar 75%)
M.EQ	Vector Scope
SPEC	A = 1.0 ± 0.01 Vp-p B = 1.0 ± 0.05 Vp-p

1. SW setting OUTPUT SW : BARS
2. [SERVICE MENU]
   EVR DATA..
   D/A ADDRESS:04
2. Set EE mode and adjust D/A DATA so that the level A at TP3306 is in specification.
3. Playback VFM8530KL (SMPT color bar 75%) and confirm the level B at TP3306 is within specification.

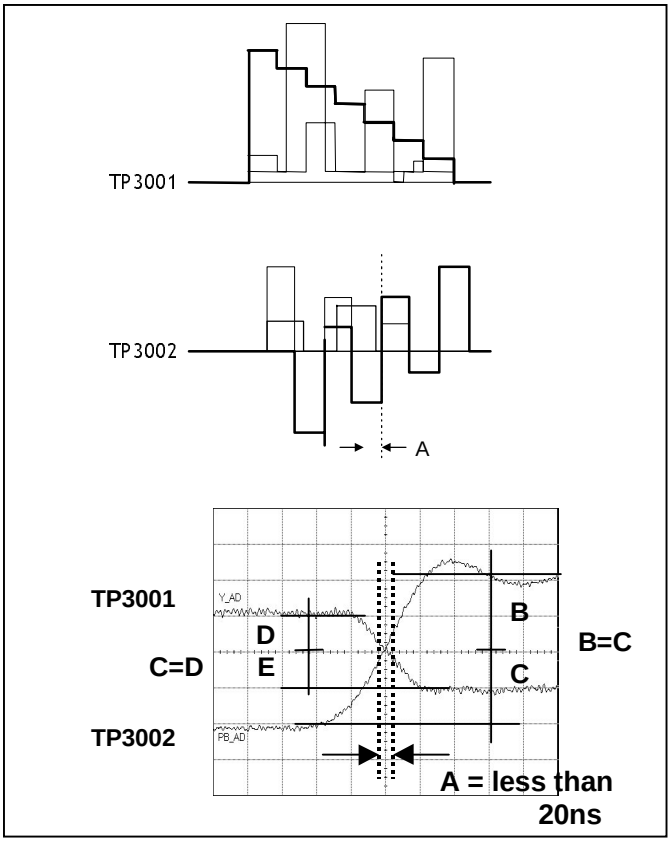
Note) Remove the View Finder.



4-4. Pb Timing Adjustment

BOARD	MAIN
TP	TP3001 [AD_Y], TP3002 [AD_PB]
ADJ.	VR3001 [PB_TMG]
MODE	EE
TAPE	-
M.EQ	Oscilloscope
SPEC	A = 0 ± 20 ns

1. SW setting OUTPUT SW : BARS
2. Expand the A position (The edge part between G and the Mg).
3. Adjust VR3001 so that Y/Pb timing A is within specification.



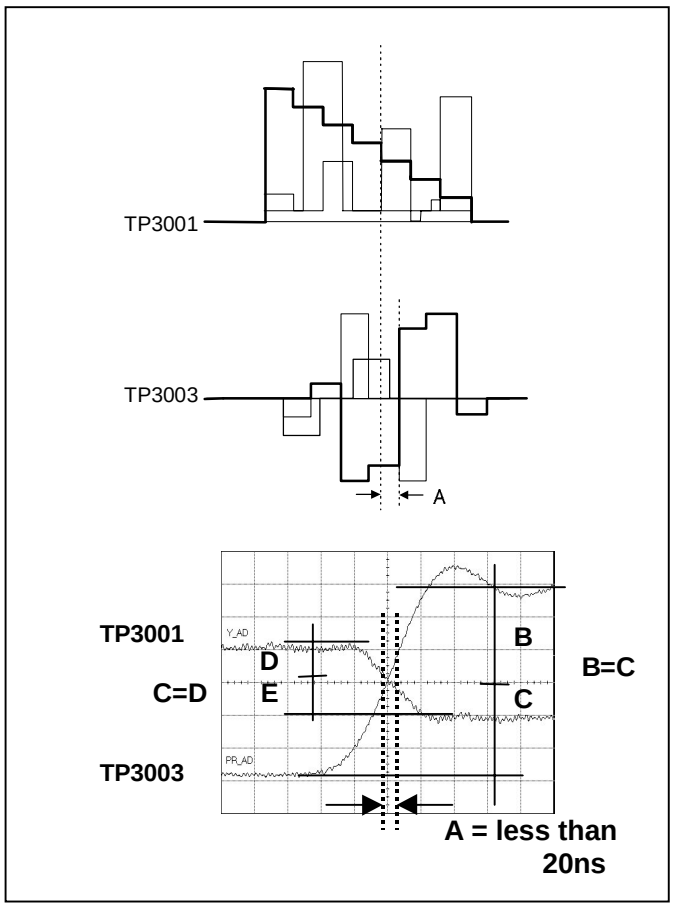
NOTE. TRIGGER : TP3414 (INH)

4-5. Pr Timing Adjustment

BOARD	MAIN
TP	TP3001 [AD_Y], TP3003 [AD_PR]
ADJ.	VR3002 [PR_TMG]
MODE	EE
TAPE	-
M.EQ	Oscilloscope
SPEC	A = 0 ± 20 ns

1. SW setting OUTPUT SW : BARS
2. Expand the A position.
   (The edge part between G and the Mg).
3. Adjust VR3002 so that Y/Pr timing A is within specification.

NOTE. TRIGGER : TP3414 (INH)



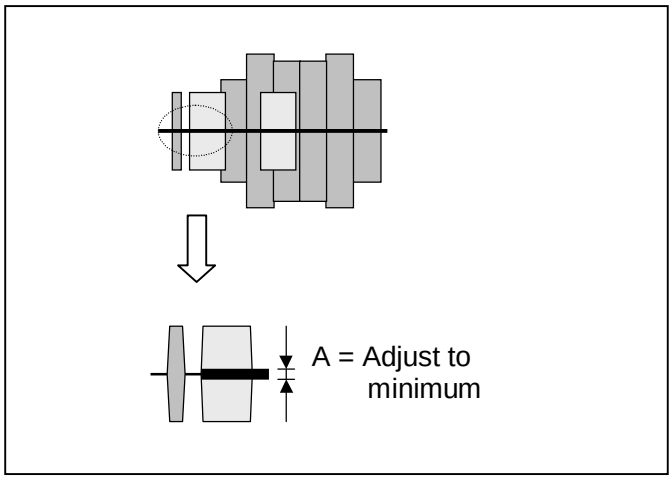
4-6. Pb, Pr A/D CLAMP level Adjustment

BOARD	MAIN
TP	VIDEO OUT (75 ohm termination)
ADJ.	EVR [SERVICE MENU]
MODE	EE
TAPE	
M.EQ	Waveform monitor
SPEC	A = Adjust to minimum.

1. SW setting OUTPUT SW : BARS
2. [SERVICE MENU]
   EVR DATA.
   D/A ADDRESS : 09(PR_CLAMP)
   D/A ADDRESS : 0A(PB_CLAMP)

3. Adjust D/A "09" and "08" alternately so that the width A at VIDEO OUT is minimum.

<Note>
Waveform monitor : FILTER (CHROM), GAIN (x5).



4-7. Y CLAP Level Adjustment

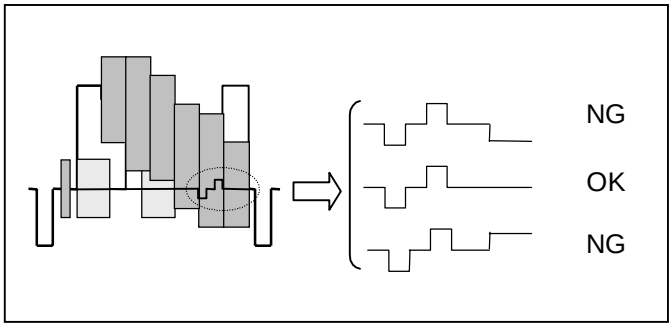
BOARD	MAIN
TP	VIDEO OUT (75ohm terminate)
ADJ.	EVR [SERVICE MENU]
MODE	EE
TAPE	
M.EQ	Waveform monitor
SPEC	A = minimum (PDSTAL level)

1. SW setting OUTPUT SW : BARS
2. [SERVICE MENU]
   EVR DATA..
   D/A ADDRESS : 0B (Y_CLAMP)

3. Adjust D/A DATA "0B" so that the width A at VIDEO OUT is minimum.

<Note>
· Waveform monitor : FILTER (CHROM), GAIN (x5).

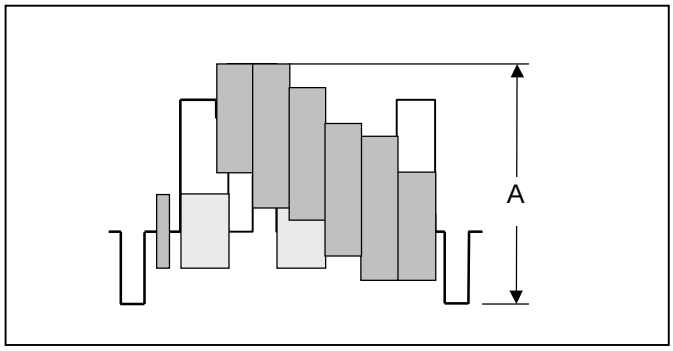
· Menu setting
VIDEO IN/OUT SETUP : 0%

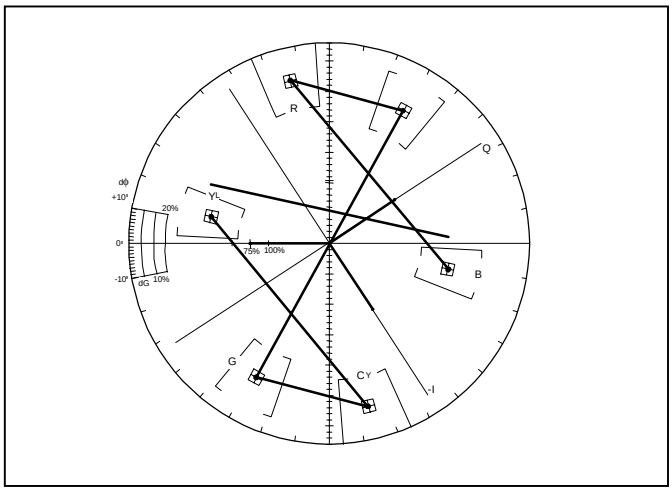


4-8. Y AD Input Level Adjustment

BOARD	MAIN
TP	VIDEO OUT (75 ohm termination)
ADJ.	VR3003 [Y_LEVEL]
MODE	EE
TAPE	-
M.EQ	Waveform monitor
SPEC	A = 1.0 ± 0.01 Vp-p

1. SW setting OUTPUT SW : BARS
2. Adjust VR3003 so that the level A at VIDEO OUT is within specification.





4-9. Pb, Pr A/D Input Level adjustment

BOARD	MAIN
TP	VFM3580KL (SMPT color bar 75%)
ADJ.	VR3004 [AD_PB], VR3005 [AD PR]
MODE	EE
TAPE	-
M.EQ	Vector Scope
SPEC	Shown figure

1. SW setting OUTPUT SW : BARS
2. Adjust VR3004 and VR3005 so that all the VIDEO OUT chroma levels come in each square frame on the Vector Scope.

<Note>

- Vector Scope Setting : BARS(7.5%),
  SETUP(YES).
- Menu setting
  VIDEO IN/OUT SETUP : 7.5%

CAMERA

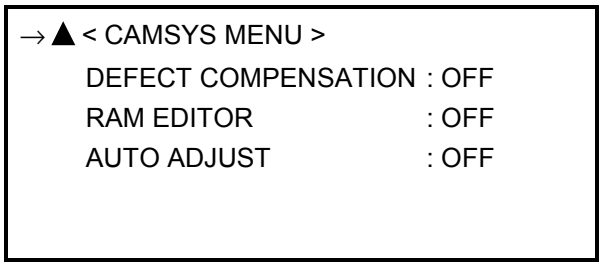
5-1. Setting

• Set the SW as follows.

GAIN : 0dBu
SCENE FILE : USER

5-2. CAMSYS menu Setting

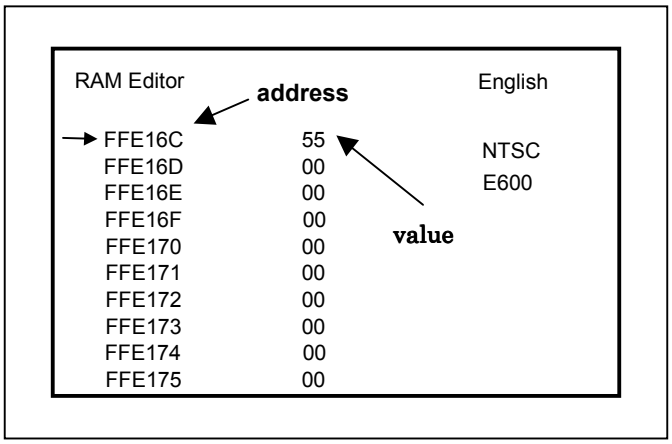
1. Select CAMSYS menu in the Service menu using JOG dial button, and press JOG dial button.
2. Select the desired item by moving cursor. Press the JOG dial button. (The "OFF" blinks)
   Turn the JOG dial button upward.



5-3. RAM EDITOR operation

1. The operation is as follows.

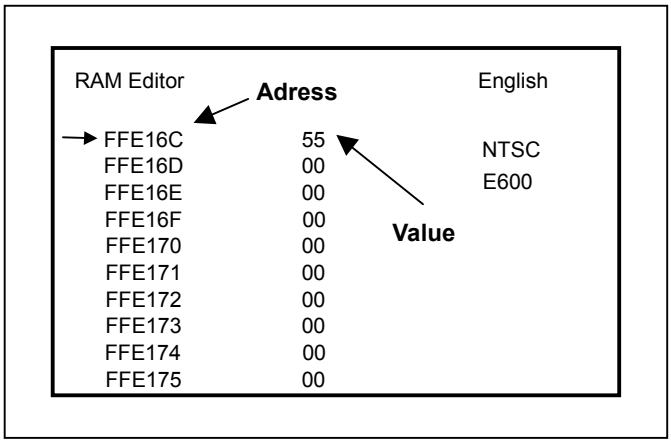
   • Address Up/Down : JOG dial button.
   • Change the setting value
   : Press the QUICK FOCUS button
   + JOG dial button.
   • Set the value : JOG dial button.



5-4. Initializing

BOARD	
M.POINT	VIDEO OUT
ADJUST	
MODE	
TAPE	
M.EQ.	Color Monitor
SPEC.	

1. Set "RAM EDITOR mode".
   * Refer to "RAM EDITOR menu operation".
2. After selecting address FFE16C and setting its value on the right to “00”, turn off power.



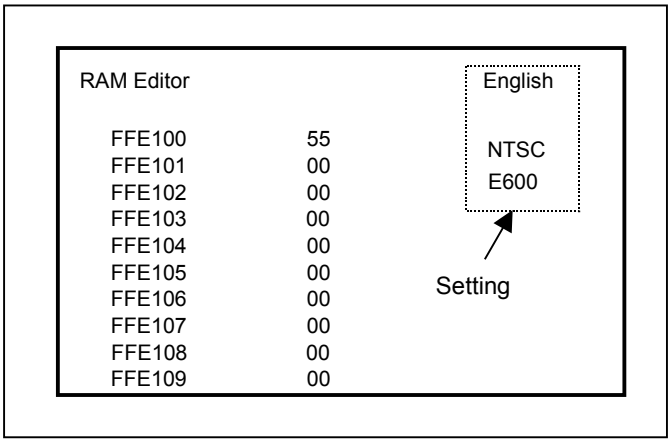
5-5. Model Setting 1

BOARD	
M.POINT	VIDEO OUT
ADJUST	
MODE	
TAPE	
M.EQ.	Color Monitor
SPEC.	

1. Set "RAM EDITOR mode".
   * Refer to "RAM EDITOR menu operation".
2. Set the dotted area as follows.

   · English
   · NTSC
   · E600

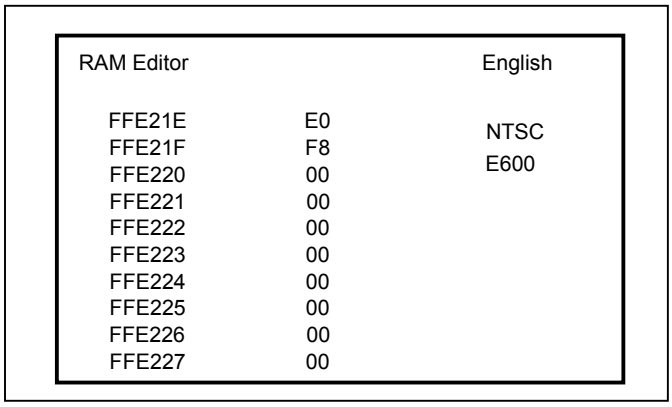
3. Turn off power.



5-6. Model Setting 2

BOARD	
M.POINT	VIDEO OUT
ADJUST	
MODE	
TAPE	
M.EQ.	Color Monitor, Vector Scope
SPEC.	714mV±15mV

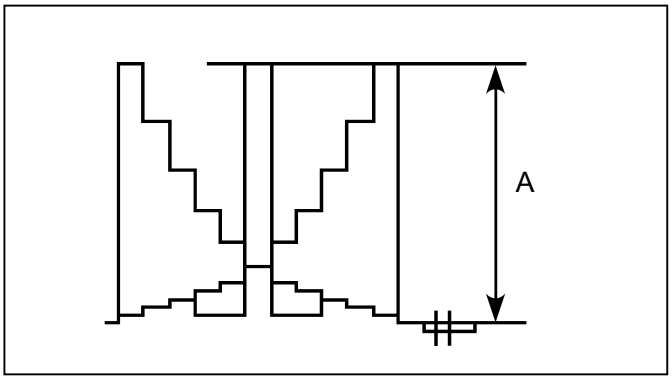
1. Set the BARS - CAM SW to CAM position.
2. Set "RAM EDITOR mode".
   * Refer to "RAM EDITOR menu operation".
3. Check to be sure that the 100% color bar signal voltage is within the specification, and if it is out of the specification, adjust the address to FF21C data.
4. Select the address FFE21F data, and adjust the color bar signal level so that the chrominance dots comes in each square frame on the vector scope. (Initial value: E0)
5. Select the address FFE21E, and adjust the color bar signal level so that the color burst level becomes 75% on the vector scope.
6. After adjustment, turn off the power.



5-7. G ch. Input Level Adjustment

BOARD	MAIN
M.POINT	TP7201
ADJUST	Lens Iris
MODE	2000Lux 3200K Gray Scale
TAPE	-
M.EQ.	Oscilloscope
SPEC.	A=300mV±5mV

1. Set a "AUTO ADJUST mode".
   Refer to *CAMSYS menu operation".
2. Adjust Lens Iris so that the voltage level at TP7201 is in the specification.

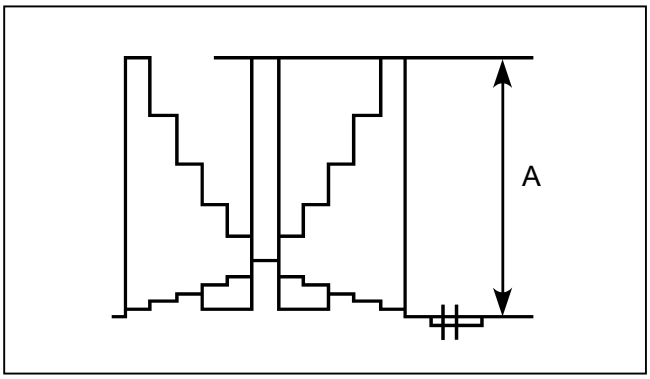


5-8. Pre-Amp. R/B ch. Output Lev el Adjustment

BOARD	PREAMP
M.POINT	TP7101,TP7301(MAIN P.C.B.)
ADJUST	R155,R555(PREAMP P.C.B.)
MODE	2000Lux 3200K Gray Scale
TAPE	-
M.EQ.	Oscilloscope
SPEC.	A=300mV±5mV

1. Adjust R555 so that the voltage level at TP7101 is in the specification.
2. Adjust R155 so that the voltage level at TP7301 is in the specification.

Note) Take note that the order of R, G, B arrangement is reversed each other between PREAMP P.C.B. and MAIN P.C.B.

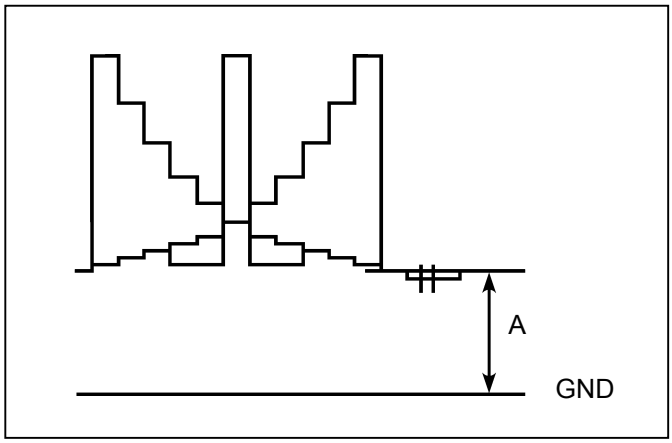


5-9. Pre-Amp. R/Bch. Output DC Level Adjustment

BOARD	PREAMP
M.POINT	TP7101(Rch), TP7201(Gch), TP7301(Bch) (MAIN P.C.B.)
ADJUST	R163,R563 (PREAMP P.C.B.)
MODE	2000Lux 3200K Gray Scale
TAPE	-
M.EQ.	Oscilloscope
SPEC.	Rch / Gch : A = 100mV±20mV Bch : A = 300mV±20mV

1. Adjust R563 so that DC level A at TP7101 is in the specification.
2. Adjust R163 so that DC level A at TP7301 comes in the specification.
3. Monitor the Pre-amp. R/Bch Output Level, and if the level is out of the specification, adjust it again, then make this DC level adjustment again, and repeat these adjustments until each level is in its specification.

Note) Take note that the order of R, G, B arrangement is reversed each other between PREAMP P.C.B. and MAIN P.C.B.

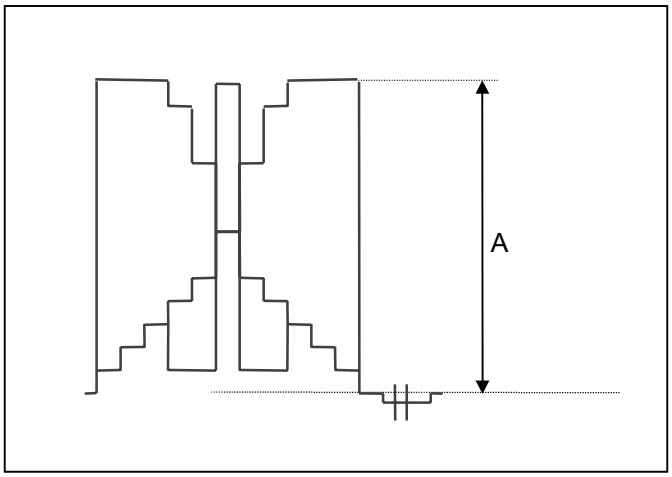


5-10. White Clip Level Adjustment

BOARD	PREAMP
M.POINT	TP7101(Rch), TP7201(Gch), TP7301(Bch) (MAIN P.C.B.)
ADJUST	R705(Rch), R701(Gch), R707(Bch) (PREAMP P.C.B.)
MODE	2000Lux 3200K Gray Scale
TAPE	-
M.EQ.	Oscilloscope
SPEC.	A=1200mV±20mV

1. Open the Iris to the full.
2. Adjust R705 so that the level A at TP7101(Rch) is in the specification.
3. Adjust R702 so that the level A at TP7201(Gch) is in the specification.
4. Adjust R707 so that the level A at TP7301(Bch) is in the specification.

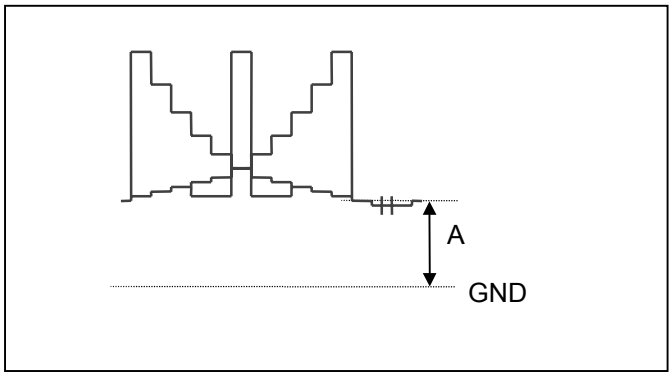
Note Take note that the order of R, G, B arrange ment is reversed each other between PRE AMP P.C.B. and MAIN P.C.B.



5-11. Pre-Amp. Output DC Level Adjustment

BOARD	PREAMP
M.POINT	TP7101(Rch), TP7201(Gch), TP7301(Bch) (MAIN P.C.B.)
ADJUST	R563(Rch),R363(Gch), R163(Bch) (PREAMP P.C.B.)
MODE	2000Lux 3200K Gray Scale
TAPE	-
M.EQ.	Oscilloscope
SPEC.	Rch(TP101)/Gch(TP201) :100 mV ± 20 mV Bch(TP301) :300 mV ± 20 mV

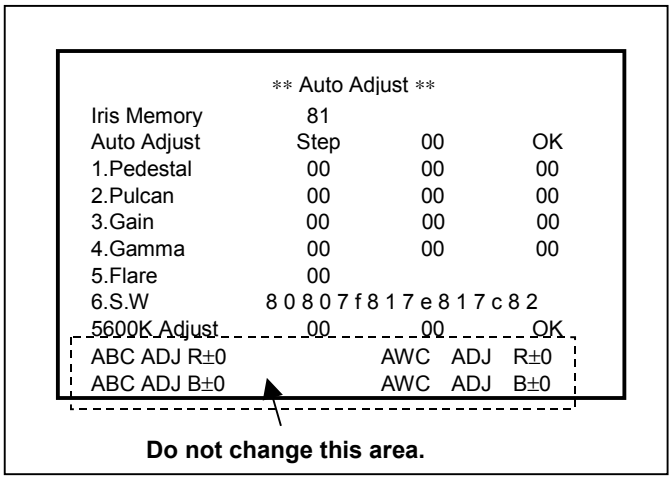
1. Adjust Iris so that DC level of Step 11 at TP7201 is 300 mV ± 5 mV.
2. Adjust R363 is so that DC level A at TP7201 is specification.
3. Adjust R563 is so that DC level A at TP7101 is specification.
4. Adjust R163 is so that DC level A at TP7301 is specification.



5-12. Auto Adjustment: Color Temperature 3200°K

BOARD	
M.POINT	
ADJUST	
MODE	2000Lux 3200K Gray Scale
TAPE	-
M.EQ.	Color Monitor
SPEC.	

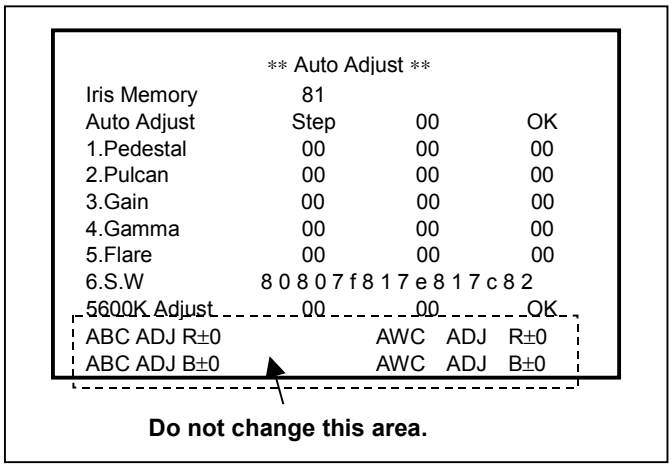
1. Switch ON No.1 of SW6300 on MAIN P.C.B.
2. Turn on power.
3. Set Optical Filter 1.
4. Select Auto Adjust menu.
   * Refer to CAMSYS menu setting.
5. Set the OUTPUT SW to CAM.
6. Make sure that the Iris setting is not change from "5-11. Pre-Amp Output DC Level Adjustment".
7. Set the Lens Iris mode to AUTO.
8. Select "Iris Memory".
   Rotate JOG dial button upward while pressing QUICK FOCUS.
9. Select "AUTO Adjust".
   Rotate JOG dial button upward while pressing QUICK FOCUS.
10. Then, the Auto Adjustment starts.
    After OK is displayed, turn off power.
    (Do not press menu button)
11. Switch OFF No.1 of SW6300 on MAIN P.C.B.



5-13. Auto Adjustment: Color Temperature 5600°K

BOARD	
M.POINT	
ADJUST	
MODE	2000Lux 3200K Gray Scale
TAPE	-
M.EQ.	Color Monitor
SPEC.	

1. Switch ON No.1 of SW6300 on MAIN P.C.B.
2. Turn on power.
3. Set Optical Filter 3.
4. Select Auto Adjust menu.
   * Refer to CAMSYS menu setting.
5. Set the OUTPUT SW to CAM.
6. Set the Lens Iris mode to AUTO.
7. Select "Iris Memory" in Auto Adjust menu.
   Rotate JOG dial button upward while pressing QUICK FOCUS.
8. Select "5600K Adjust" in Auto Adjust menu.
   Rotate JOG dial button upward while pressing QUICK FOCUS.
   Then, the Auto Adjustment starts.
9. After OK is displayed, turn off power.
   (Do not press menu button)
10. Switch OFF No.1 of SW6300 on MAIN P.C.B.



5-14. Initialize

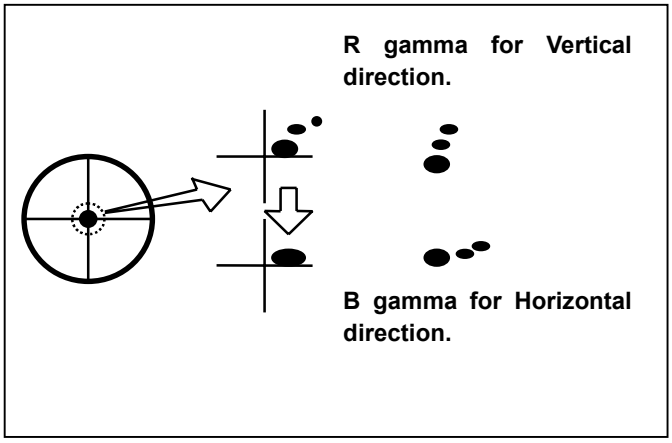
BOARD	-
M.POINT	VIDEO OUT
ADJUST	-
MODE	-
TAPE	-
M.EQ.	Color Monitor
SPEC.	-

1. Switch ON No.1 of SW6300 on MAIN P.C.B.
2. Turn ON
3. Select CAMSYS menu.
4. Select Initialize Data and press JOG dial button. Then, initialize starts.
5. Turn OFF.
6. Switch OFF No.1 of SW6300 on MAIN P.C.B.

5-15. R, B Gamma Adjustment

BOARD	MAIN
M.POINT	CAM OUT (75ohm termination)
ADJUST	EVR [SERVICE MENU]
MODE	2000Lux 3200K Gray Scale
TAPE	-
M.EQ.	WFM,Vector Scope
SPEC.	Vector dot : No spot & placed at Zero point.

1. [SERVICE MENU]
   Open FLARE / GAMMA
2. Select the lens extender to ON.
3. Connect CAM OUT to Waveform and adjust Iris so that the peek level is 80%.
4. Set WHITE BAL SW to Ach position and operate
   AWB, then operate ABB to AWB.
5. Adjust R GAMMA and B GAMMA so that the vector dot of each R and B color is located at the origin and doesn't split.
6. If the vector dot is on the origin, operate AWB and confirm the vector dot of R and B color is located at the origin
   If the vector dot is splits, adjust item 4, 5 alternately.
7. Set the extender to OFF.



5-16. White Shading Adjustment

BOARD	-
M.POINT	CAM OUT (75ohm termination)
ADJUST	EVR [SERVICE MENU]
MODE	Light Box (Spherical type) Defocus
TAPE	-
M.EQ.	WFM, Vector Scope
SPEC.	Shown bellow

1. Set the lens extender OFF condition and set electronic shutter 1/250 condition.
2. Connect a WFM to CAM OUT and set Iris so that the peak level is 80%.
2. Set WHITE BAL SW to Ach position operate and AWB, then operate ABB to AWB.
3. Open SERVICE menu and select WHITE SHADING in the WHITE SHADING menu.
4. Press the JOG dial button and then "READY" character is flashing.
5. Select "YES" using JOG dial button.
6. Defocus the lens focus.
7. Press JOG dial button and white shading correct starts.
8. Confirm that there is not extreme uneven color in the screen.
9. Set the lens extender ON condition and adjust item 1 to item7.

Note) Connect the connector of the lens to the AJ-D410A and adjust it.

5-17. Pedestal Adjustment

BOARD	-
M.POINT	CAM OUT (75ohm termination)
ADJUST	EVR [SERVICE MENU]
MODE	CLOSE
TAPE	-
M.EQ.	WFM,MONITOR
SPEC.	PEDSTAL = 5% ± 0.5%

1. Select MASTER PED as shown bellow.

   SERVICE → SCENE → PROCESS
   → MASTER PED

2. Set the value of MASTER PED to "+00."
3. Select M PED ADJ as shown bellow.

   SERVICE → FLARE/GAMMA →M PED ADJ

4. Operate ABB.
5. Connect a WFM to CAM OUT and Adjust M PED ADJ so that PEDESTAL level is in specification.

* In adjustment, Pedestal level moves, that the level is step-by-step.
  Set to the value which is the nearest 5%.

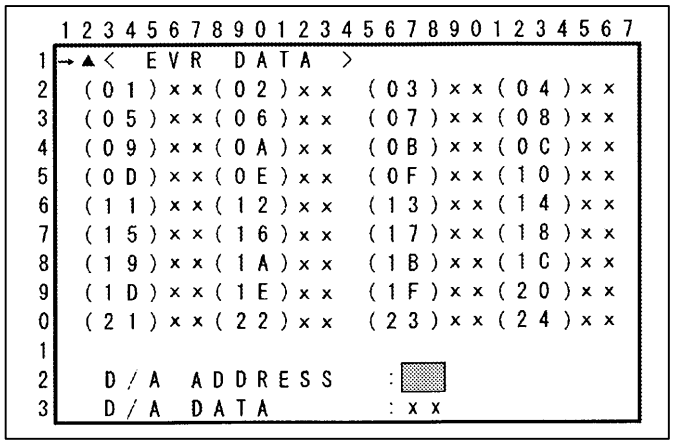
RF

6-1. Self-Recording RF Confirmation

1. Open a "EVR DATA" menu in a "SERVICE" menu

2. Set the value of the following data is "E0".

   D/A ADDRESS:(10) : EO
   D/A ADDRESS:(11) : EO



6-2. Confirmation of Interchangeability Error Rate.

1. Record CAMERA BAR (internal color bar signal) at AJ-D410A
2. Playback the recorded tape at other DVCCPRO studio VTR (ex. AJ-D850, AJ-D750) and measure error rate.
3. Playback the aliment tape (VFM3580KL) at other DVCPRO studio VTR and measure error rates.
4. Confirm the error rates is as follows.

   A : Error rate (recorded tape)
   B : Error rate (aliment tape)

   A-B = within 4 graduation

5. When the difference of error rate is equal to or more than 5 graduations, adjust about the corresponding channel.

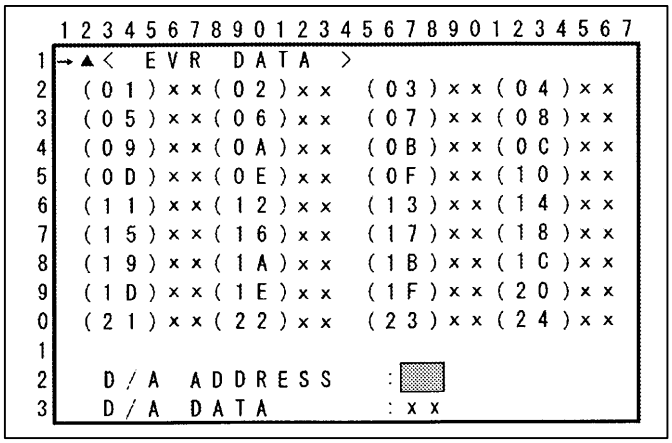
RF adjustment

(1) [SERVICE]
EVR DATA.

(2) Set the value following data is "C0" or "F0" as shown bellow.

D/A ADDRESS:(10) : L ch
D/A ADDRESS:(11) : R ch

(3) Confirm the "6-2. Confirmation of Interchangeability Error Rate" again.



AUDIO

7-1. Initial Setting

Menu setting

- Set the Menu mode as shown bellow.

< MIC / AUDIO >

FRONT MIC POWER	: OFF
FRONT MIC	: -50dB
REAR MIC CH1	: -60dB
REAR MIC CH2	: -60dB
MIC LOWCUT CH1	: OFF
MIC LOWCUT CH2	: OFF
LINE CH1 / CH2	: +4dB
REAR SEL CH1	: XLR
REAR SEL CH2	: XLR
LIMITER CH1	: OFF
LIMITER CH2	: OFF
CUE REC SEL	: CH1

- Set the switches as shown bellow.

AUDIO SELECT	
CH1	: MAN
CH2	: MAN
AUDIO IN	
CH1	: REAR LINE
CH2	: REAR LINE
REAR MIC POWER	
CH1	: OFF
CH2	: OFF

7-2. PB Level Adjustment

BOARD	MAIN
TP	AUDIO OUT CH1, CH2
ADJ.	VR4400 (CH1), VR4401 (CH2)
MODE	PLAY
TAPE	VFM3580KL (No1. 0-14min)
M.EQ	Audio Analyzer
SPEC	-6dBu ± 0dBu

1. Playback an aliment tape.
2. Adjust VR4400 so that the level at AUDIO OUT CH1 is within specification.
3. Adjust VR4401 so that the level at AUDIO OUT CH2 is within specification.

7-3. CUE PB Level Adjustment

BOARD	MAIN
TP	TP4301
ADJ.	VR4301
MODE	PLAY
TAPE	VFM3580KL (0-14mini)
M.EQ	Audio Analyzer
SPEC	-19.5dBu ± 0.5dBu

1. Playback an aliment tape.
2. Adjust VR4301 so that the level at TP4301 is within specification.

* Measure with **1kHz Band Path Filter.**

7-4. CUE REC Level Adjustment

BOARD	MAIN
TP	TP4302
ADJ.	VR4300
MODE	1KHz, +4dBu, Sine wave (REAR AUDIO IN CH1/CH2)
TAPE	EE
M.EQ	-
SPEC	Audio Analyzer
	-30.0dBu ± 0.2dBu

1. Adjust VR4300 so that the level at TP4302 is within specification.

7-5. CUE REC Current Adjustment

BOARD	CUE
TP	TP4301 MAIN P.C.B.
ADJ.	VR1102
MODE	1KHz, +4dBu, Sine Wave (REAR AUDIO IN CH1/CH2)
TAPE	REC / PLAY
M.EQ	-
SPEC	Audio Analyzer
	-19.5dBu ± 0.5dBu

1. Record in the REC/PB tape.
2. Playback the recorded position and adjust VR1102 so that level at TP4301 is within specification.
3. Adjusts items 1, 2 several times.

ELECTRICAL REPLACEMENT PARTS LIST

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
■ E1	VEP83551C	MAIN P.C.BOARD	1	(RTL)
■	VEP000X6A	CAMERA FILTER P.C.BOARD	1	(RTL)FOR VEP83551C
■ E2	VEP82241C	RF & SERVO P.C.BOARD	1	(RTL)
■	VEP85200A	REC/HEAD AMP P.C.BOARD	1	(RTL)FOR VEP82241C
■ E3	VEP83579A	VTR SUB P.C.BOARD	1	(RTL)
■ E4	VEP80C03A	VTR S/S P.C.BOARD	1	(RTL)
■ E5	WE600PKF1C	DRIVE P.C.BOARD	1	(RTL)
■ E6	VEP81220C	POWER P.C.BOARD	1	(RTL)
■ E7	WE600PKY1B	PRE AMP 2 P.C.BOARD	1	(RTL)
■ E8	VEP80C06D	REAR JACK P.C.BOARD	1	(RTL)
■ E9	VEP80C07B	AV OUT P.C.BOARD	1	(RTL)
■ E10	VEP86149A	OPERATE P.C.BOARD	1	(RTL)
■ E11	VEP84376A	CUE P.C.BOARD	1	(RTL)
■ E12	WE600PKB1B	SENSOR (R) P.C.BOARD	1	(RTL)
■ E13	WE600PKC1B	SENSOR (G) P.C.BOARD	1	(RTL)
■ E14	WE600PKD1B	SENSOR (B) P.C.BOARD	1	(RTL)
■ E15	WE600PKE1B	PRE AMP P.C.BOARD	1	(RTL)
■	VEP83564A	PRE AMP 3 P.C.BOARD	1	(RTL)
				FOR WE600PKE1B
■ E16	VEP80B98A	R SIDE P.C.BOARD	1	(RTL)
■ E17	VEP80B99A	SCENE FILE P.C.BOARD	1	(RTL)
■ E18	VEP80C00A	SUTO IRIS P.C.BOARD	1	(RTL)
■ E19	VEP80C01B	LED P.C.BOARD	1	(RTL)
■ E20	VEP80B94A	TOGGLE SW P.C.BOARD	1	(RTL)
■ E21	VEP80C02A	FRONT TOGGLE SW P.C.BOARD	1	(RTL)
■ E22	VEP80C20A	REMOTE MAINTENANCE P.C.B.	1	(RTL)
■ E23	VEP80B96A	MENU JOG P.C.BOARD	1	(RTL)
■ E24	VEP80B97A	POWER SW P.C.BOARD	1	(RTL)
■ E25	VEP80C08A	BREAKER P.C.BOARD	1	(RTL)
■ E26	VEP00X87D	DC INPUT P.C.BOARD	1	(RTL)
■ E27	VEP000U0A	HEAD PHONE P.C.BOARD	1	(RTL)
■ E28	VEP80C12A	FRONT MIC P.C.BOARD	1	(RTL)
■ E29	VEP80A74A	BACK TALLY P.C.BOARD	1	(RTL)
■ E30	VEP000W0A	FILTER P.C.BOARD	1	(RTL)

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
■ E1	VEP83551C	MAIN P.C.BOARD	1	(RTL)
■	VEP000X6A	CAMERA FILTER P.C.BOARD	1	(RTL)FOR VEP83551C
C1	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	FOR VEP000X6A
C2	ECUX1H820JCV	C.CAPACITOR CH 50V 82P	1	FOR VEP000X6A
C50,51	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3001	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3002,03	EEVHB0J330	E.CAPACITOR 6.3V 33U	2	
C3004-07	F1J1A1050021	C.CAPACITOR CH 10V 1U	4	
C3009,10	F1J1A1050021	C.CAPACITOR CH 10V 1U	2	
C3011	ECST1CX106	T.CAPACITOR CH 16V 10U	1	
C3012	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3013,14	ECUX1H390JCV	C.CAPACITOR CH 50V 39P	2	
C3015,16	ECUX1H070DCV	C.CAPACITOR CH 50V 7P	2	
C3017,18	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	2	
C3019,20	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	2	
C3021,22	ECUX1H270JCV	C.CAPACITOR CH 50V 27P	2	
C3026,27	EEVHP1A100	E.CAPACITOR 10V 10U	2	
C3029,30	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	2	
C3033	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3034-36	EEVHB0J330	E.CAPACITOR 6.3V 33U	3	
C3037	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
C3038,39	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	2	
C3040-42	ECUX1A105KBV	C.CAPACITOR CH 10V 1U	3	
C3043-48	F1J1A1050021	C.CAPACITOR CH 10V 1U	6	
C3052-54	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	3	
C3058-63	F1J1A1050021	C.CAPACITOR CH 10V 1U	6	
C3064-66	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3067-84	ECUX1H104KBV	C.CAPACITOR CH 50V 0.1U	18	
C3085-89	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C3090	ECST1AY106	T.CAPACITOR CH 10V 10U	1	
C3091-95	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C3096	ECST1AY106	T.CAPACITOR CH 10V 10U	1	
C3097	ECST1CX106	T.CAPACITOR CH 16V 10U	1	
C3301	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3302	ECST1AY106	T.CAPACITOR CH 10V 10U	1	
C3303	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3305	F1J0J475A006	C.CAPACITOR CH6.3V 1U	1	
C3306	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3309,10	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3311,12	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	2	
C3313	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3314	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C3315	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3316	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C3317,18	EEVHB0J220	E.CAPACITOR 6.3V 22U	2	
C3319	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C3321	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C3322	EEVHB0J101P	E.CAPACITOR 6.3V 100U	1	
C3323	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C3324	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
C3325,26	EEVHB1C100	E.CAPACITOR 16V 10U	2	
C3327	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3328,29	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3330	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C3331	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3332	EEVHB0J101P	E.CAPACITOR 6.3V 100U	1	
C3334,35	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3337	EEVHB0J220	E.CAPACITOR 6.3V 22U	1	
C3338,39	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	2	
C3340,41	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3342	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
C3343,44	F1J1A1050021	C.CAPACITOR CH 10V 1U	2	
C3345	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C3346,47	ECUX1H180JCV	C.CAPACITOR CH 50V 18P	2	
C3348	ECUX1H560JCV	C.CAPACITOR CH 50V 56P	1	
C3349	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
C3350	ECUX1H560JCV	C.CAPACITOR CH 50V 56P	1	
C3351	ECUX1H104KBV	C.CAPACITOR CH 50V 0.1U	1	
C3352	ECUX1H040CCV	C.CAPACITOR CH 50V 4P	1	
C3353	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
C3354	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C3355	ECUX1H180JCV	C.CAPACITOR CH 50V 18P	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C3356	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C3357	ECUX1H104KBV	C.CAPACITOR CH 50V 0.1U	1	
C3358	ECUX1A105KBV	C.CAPACITOR CH 10V 1U	1	
C3359	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3360	ECJ1VC1H100D	C.CAPACITOR CH 50V 10P	1	
C3361	ECUX1H270JCV	C.CAPACITOR CH 50V 27P	1	
C3362-65	F1J1A1050021	C.CAPACITOR CH 10V 1U	4	
C3366	ECUX1H270JCV	C.CAPACITOR CH 50V 27P	1	
C3370,71	F1J1A1050021	C.CAPACITOR CH 10V 1U	2	
C3372	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C3373	ECUX1H104KBV	C.CAPACITOR CH 50V 0.1U	1	
C3374	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3375	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C3376	ECUX1H104KBV	C.CAPACITOR CH 50V 0.1U	1	
C3377	ECST1CX106	T.CAPACITOR CH 16V 10U	1	
C3378	ECST1AY106	T.CAPACITOR CH 10V 10U	1	
C3379	ECST1CX106	T.CAPACITOR CH 16V 10U	1	
C3380	ECST1AY106	T.CAPACITOR CH 10V 10U	1	
C3382,83	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3384,85	ECST1CX106	T.CAPACITOR CH 16V 10U	2	
C3386	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3401	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3402	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3403	ECUX1H050CCV	C.CAPACITOR CH 50V 5P	1	
C3404	ECUX1C474KBN	C.CAPACITOR CH 16V 0.47U	1	
C3406	ECST1AY106	T.CAPACITOR CH 10V 10U	1	
C3407	ECUX1A105KBV	C.CAPACITOR CH 10V 1U	1	
C3408,09	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3410	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3411-16	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	6	
C3423	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3500-04	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C3505,06	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C3601	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3602	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C3603	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3604	ECST1AY106	T.CAPACITOR CH 10V 10U	1	
C3605	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3606	F1J0J475A006	C.CAPACITOR CH6.3V 1U	1	
C3607	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C3608	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3609	ECUX1A105KBV	C.CAPACITOR CH 10V 1U	1	
C3610,11	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C3613	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3614-17	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C3618,19	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	2	
C3620	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C3621	F1J0J475A006	C.CAPACITOR CH6.3V 1U	1	
C3622	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3623,24	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C3625	F1J0J475A006	C.CAPACITOR CH6.3V 1U	1	
C3626	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3627	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C3628	ECST1AY106	T.CAPACITOR CH 10V 10U	1	
C3702	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C3703	ECUX1C224KBN	C.CAPACITOR CH 16V 0.22U	1	F1J1C224A091
C3704	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3706	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3707	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3708	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C3709-11	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3712	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C3713	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3714	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C3715	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3716	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3717,18	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	2	
C3719	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3720,21	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	2	
C3722	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3723	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C4000,01	EEVHB1C470P	E.CAPACITOR 16V 47U	2	
C4002	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C4003,04	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	2	
C4005-08	EEVHP1H1R0	E.CAPACITOR 50V 1U	4	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C4009,10	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	2	
C4011,12	EEVHP1H1R0	E.CAPACITOR 50V 1U	2	
C4013,14	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	2	
C4015-17	EEVHP1H1R0	E.CAPACITOR 50V 1U	3	
C4019	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C4020,21	EEVHB0J330	E.CAPACITOR 6.3V 33U	2	
C4022	EEVHB0J220	E.CAPACITOR 6.3V 22U	1	
C4023	ECUX1H183KBV	C.CAPACITOR CH 50V 0.018U	1	
C4024,25	ECUX1C273KBV	C.CAPACITOR CH 16V 0.027U	2	
C4026,27	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4028,29	EEVHB0J330	E.CAPACITOR 6.3V 33U	2	
C4030	EEVHB0J220	E.CAPACITOR 6.3V 22U	1	
C4031	ECUX1H183KBV	C.CAPACITOR CH 50V 0.018U	1	
C4032,33	ECUX1C273KBV	C.CAPACITOR CH 16V 0.027U	2	
C4034-37	EEVHB0J470	E.CAPACITOR 6.3V 47U	4	
C4038	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
C4039	ECUX1H104KBV	C.CAPACITOR CH 50V 0.1U	1	
C4040	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
C4041-44	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C4047	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C4051	ECEA1HSN010	E.CAPACITOR 50V 1U	1	
C4100,01	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4102	ECUX1H151JCV	C.CAPACITOR CH 50V 150P	1	
C4103,04	EEVHP0J100	E.CAPACITOR 6.3V 10U	2	
C4105	EEVHB0J220	E.CAPACITOR 6.3V 22U	1	
C4106	F1L1C1060020	C.CAPACITOR CH 16V 10U	1	
C4107,08	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4109	ECUX1H151JCV	C.CAPACITOR CH 50V 150P	1	
C4110,11	EEVHP0J100	E.CAPACITOR 6.3V 10U	2	
C4112	EEVHB0J220	E.CAPACITOR 6.3V 22U	1	
C4113	F1L1C1060020	C.CAPACITOR CH 16V 10U	1	
C4114,15	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4120-22	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C4200,01	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4202,03	EEVHB0G470	E.CAPACITOR 4V 47U	2	
C4204	EEVHB0J220	E.CAPACITOR 6.3V 22U	1	
C4205	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C4206	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	1	
C4207,08	EEVHB0G470	E.CAPACITOR 4V 47U	2	
C4209	EEVHB0J220	E.CAPACITOR 6.3V 22U	1	
C4210	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C4211	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	1	
C4212	EEVHB0G470	E.CAPACITOR 4V 47U	1	
C4213	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	1	
C4214,15	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4216	EEVHB0J220	E.CAPACITOR 6.3V 22U	1	
C4217,18	ECUX1H151JCV	C.CAPACITOR CH 50V 150P	2	
C4219,20	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4221	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C4222	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C4223	EEVHB0J220	E.CAPACITOR 6.3V 22U	1	
C4224,25	ECUX1H151JCV	C.CAPACITOR CH 50V 150P	2	
C4226,27	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4228	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C4229	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C4230-32	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C4233,34	EEVHB0J330	E.CAPACITOR 6.3V 33U	2	
C4235	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C4236	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
C4237,38	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4239	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
C4240,41	EEVHB0J220	E.CAPACITOR 6.3V 22U	2	
C4300	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C4301	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C4303	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C4304	ECUX1H104KBM	C.CAPACITOR CH 50V 0.1U	1	
C4305,06	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	2	
C4307	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C4308	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C4309	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C4310	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C4311,12	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4313,14	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C4315	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C4316-19	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C4400	EEVHB1H100P	E.CAPACITOR 50V 10U	1	
C4401	EEVHB1H1R0	E.CAPACITOR 50V 1U	1	
C4402	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C4403	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C4404	F1L1C1060020	C.CAPACITOR CH 16V 10U	1	
C4405	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C4406,07	EEVHB1C100	E.CAPACITOR 16V 10U	2	
C4408	F1L1C1060020	C.CAPACITOR CH 16V 10U	1	
C4409	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C4410	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C4411-13	ECUX1A105KBV	C.CAPACITOR CH 10V 1U	3	
C4414	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C4415	VCE0200	E.CAPACITOR	1	F2G0J3310002
C4416,17	ECUX1H182KBV	C.CAPACITOR CH 50V 1800P	2	
C4418	VCE0200	E.CAPACITOR	1	F2G0J3310002
C4420	ECUX1H104KBV	C.CAPACITOR CH 50V 0.1U	1	
C4421	ECUX1C474KBN	C.CAPACITOR CH 16V 0.47U	1	
C4423	ECUX1H104KBV	C.CAPACITOR CH 50V 0.1U	1	
C4424	ECUX1C474KBN	C.CAPACITOR CH 16V 0.47U	1	
C4425	F1L1C1060020	C.CAPACITOR CH 16V 10U	1	
C4426,27	EEVHB0J470	E.CAPACITOR 6.3V 47U	2	
C4428	F1L1C1060020	C.CAPACITOR CH 16V 10U	1	
C4429	EEVHB0J101P	E.CAPACITOR 6.3V 100U	1	
C4430,31	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C6000	VCK0152	C.CAPACITOR	1	F1L1C1060016
C6010	VCK0152	C.CAPACITOR	1	F1L1C1060016
C6011,12	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C6013	ECUX1A105KBV	C.CAPACITOR CH 10V 1U	1	
C6015,16	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C6017	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C6018-35	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	18	
C6103-06	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C6107,08	EEVHB1A101P	E.CAPACITOR 10V 100U	2	
C6109-11	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C6112	EEVHB1A330	E.CAPACITOR 10V 33U	1	
C6113	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	
C6200-10	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	11	
C6300-12	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	13	
C6315	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C6400-08	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	9	
C6500,01	ECUX1H150JCV	C.CAPACITOR CH 50V 15P	2	
C6502-11	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	10	
C6512	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	
C7001	YGM1F105Z1AT	C.CAPACITOR 31.5V 1U	1	
C7002	F1H1H151A231	C.CAPACITOR CH 50V 150P	1	
C7003	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	1	F1H1E104A016
C7021-24	SK21A225KRA	T.CAPACITOR CH 10V 2.2U	4	
C7025	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	1	F1H1E104A016
C7029	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	1	F1H1E104A016
C7031,32	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	2	F1H1E104A016
C7102	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	1	F1H1E104A016
C7104	ECUX1H040CCV	C.CAPACITOR CH 50V 4P	1	
C7105,06	YGM1F105Z1AT	C.CAPACITOR 31.5V 1U	2	
C7109	ECST1DX106	T.CAPACITOR CH 20V 10U	1	
C7110	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C7111	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	1	F1H1E104A016
C7112	F3G1C1560001	T.CAPACITOR CH 16V 15U	1	
C7114	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	1	F1H1E104A016
C7115	ECST1AC476	T.CAPACITOR CH 10V 47U	1	
C7116	F3G1C1560001	T.CAPACITOR CH 16V 15U	1	
C7118	YGM1F105Z1AT	C.CAPACITOR 31.5V 1U	1	
C7119	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	1	F1H1E104A016
C7120	YGM1B103K1HT	C.CAPACITOR 12.5V 0.01U	1	F1H1H103A190
C7121-26	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	6	F1H1E104A016
C7127	ECST1DX106	T.CAPACITOR CH 20V 10U	1	
C7128	F1H1H270A231	C.CAPACITOR CH 50V 27P	1	
C7131	F3G1C1560001	T.CAPACITOR CH 16V 15U	1	
C7132	YGM1B103K1HT	C.CAPACITOR 12.5V 0.01U	1	F1H1H103A190
C7134	F3G1C1560001	T.CAPACITOR CH 16V 15U	1	
C7135	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	1	F1H1E104A016
C7136	F3G1C1560001	T.CAPACITOR CH 16V 15U	1	
C7137-41	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	5	F1H1E104A016
C7144	ECUX1H180JCV	C.CAPACITOR CH 50V 18P	1	
C7202	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	1	F1H1E104A016
C7204	ECUX1H040CCV	C.CAPACITOR CH 50V 4P	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C7205,06	YGM1F105Z1AT	C.CAPACITOR 31.5V 1U	2	
C7209	ECST1DX106	T.CAPACITOR CH 20V 10U	1	
C7210	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C7211	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	1	F1H1E104A016
C7212	F3G1C1560001	T.CAPACITOR CH 16V 15U	1	
C7214	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	1	F1H1E104A016
C7215	ECST1AC476	T.CAPACITOR CH 10V 47U	1	
C7216	F3G1C1560001	T.CAPACITOR CH 16V 15U	1	
C7218	YGM1F105Z1AT	C.CAPACITOR 31.5V 1U	1	
C7219	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	1	F1H1E104A016
C7220	YGM1B103K1HT	C.CAPACITOR 12.5V 0.01U	1	F1H1H103A190
C7221-26	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	6	F1H1E104A016
C7227	ECST1DX106	T.CAPACITOR CH 20V 10U	1	
C7228	F1H1H270A231	C.CAPACITOR CH 50V 27P	1	
C7231	F3G1C1560001	T.CAPACITOR CH 16V 15U	1	
C7232	YGM1B103K1HT	C.CAPACITOR 12.5V 0.01U	1	F1H1H103A190
C7234	F3G1C1560001	T.CAPACITOR CH 16V 15U	1	
C7235	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	1	F1H1E104A016
C7236	F3G1C1560001	T.CAPACITOR CH 16V 15U	1	
C7237-41	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	5	F1H1E104A016
C7244	ECUX1H180JCV	C.CAPACITOR CH 50V 18P	1	
C7302	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	1	F1H1E104A016
C7304	ECUX1H040CCV	C.CAPACITOR CH 50V 4P	1	
C7305,06	YGM1F105Z1AT	C.CAPACITOR 31.5V 1U	2	
C7309	ECST1DX106	T.CAPACITOR CH 20V 10U	1	
C7310	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C7311	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	1	F1H1E104A016
C7312	F3G1C1560001	T.CAPACITOR CH 16V 15U	1	
C7314	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	1	F1H1E104A016
C7315	ECST1AC476	T.CAPACITOR CH 10V 47U	1	
C7316	F3G1C1560001	T.CAPACITOR CH 16V 15U	1	
C7318	YGM1F105Z1AT	C.CAPACITOR 31.5V 1U	1	
C7319	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	1	F1H1E104A016
C7320	YGM1B103K1HT	C.CAPACITOR 12.5V 0.01U	1	F1H1H103A190
C7321-26	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	6	F1H1E104A016
C7327	ECST1DX106	T.CAPACITOR CH 20V 10U	1	
C7328	F1H1H270A231	C.CAPACITOR CH 50V 27P	1	
C7331	F3G1C1560001	T.CAPACITOR CH 16V 15U	1	
C7332	YGM1B103K1HT	C.CAPACITOR 12.5V 0.01U	1	F1H1H103A190
C7334	F3G1C1560001	T.CAPACITOR CH 16V 15U	1	
C7335	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	1	F1H1E104A016
C7336	F3G1C1560001	T.CAPACITOR CH 16V 15U	1	
C7337-41	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	5	F1H1E104A016
C7344	ECUX1H180JCV	C.CAPACITOR CH 50V 18P	1	
C7501	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C7502	ECST1CX106	T.CAPACITOR CH 16V 10U	1	
C7503	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C7504	ECST1CX106	T.CAPACITOR CH 16V 10U	1	
C7505	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C7506,07	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C7508,09	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	2	
C7510	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C7511	ECST1CX106	T.CAPACITOR CH 16V 10U	1	
C7512	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C7513	ECST1CX106	T.CAPACITOR CH 16V 10U	1	
C7514	ECHU1C104JB	P.CAPACITOR 16V 0.1U	1	
C7515	EEVHP1C100	E.CAPACITOR 16V 10U	1	
C7516,17	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C7518	ECHU1C104JB	P.CAPACITOR 16V 0.1U	1	
C7519	EEVHP1C100	E.CAPACITOR 16V 10U	1	
C7520	ECHU1C104JB	P.CAPACITOR 16V 0.1U	1	
C7521	EEVHP1C100	E.CAPACITOR 16V 10U	1	
C7522	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C7523	ECST1CX106	T.CAPACITOR CH 16V 10U	1	
C7524	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C7525,26	ECUX1H104KBV	C.CAPACITOR CH 50V 0.1U	2	
C8001	YGM1F105Z1AT	C.CAPACITOR 31.5V 1U	1	
C8005,06	ECST1AD107	T.CAPACITOR CH 10V 100U	2	
C8009	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	1	F1H1E104A016
C8011	ECST1CX106	T.CAPACITOR CH 16V 10U	1	
C8012-16	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	5	F1H1E104A016
C8017	F1H1H300A004	C.CAPACITOR CH 50V 30P	1	
C8018	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	1	F1H1E104A016
C8019	F1H1H101A231	C.CAPACITOR CH 50V 100P	1	
C8021	SK41C336MC	T.CAPACITOR CH 16V 33U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C8022	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	1	F1H1E104A016
C8024	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	1	F1H1E104A016
C8026-28	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	3	F1H1E104A016
C8030-56	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	27	F1H1E104A016
C8071	YGM1C470J1HT	C.CAPACITOR 16V 47P	1	
C8073-76	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	4	F1H1E104A016
C8077	ECST1AD107	T.CAPACITOR CH 10V 100U	1	
C8078-81	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	4	F1H1E104A016
C8082	ECST1AD107	T.CAPACITOR CH 10V 100U	1	
C8083,84	SK31A475KRA	T.CAPACITOR CH 10V 4.7U	2	
C8085	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	1	F1H1E104A016
C8086	ECST1AC476	T.CAPACITOR CH 10V 47U	1	
C8087	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C8088	ECST1AD107	T.CAPACITOR CH 10V 100U	1	ECST1AD107R
C8089,90	SK31A475KRA	T.CAPACITOR CH 10V 4.7U	2	
C8092,93	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	2	F1H1E104A016
C8094	F1H1H150A231	C.CAPACITOR CH 50V 22P	1	
C8095,96	YGM1C471J1HT	C.CAPACITOR 16V 470U	2	
C8097	F1H1H200A004	C.CAPACITOR CH 50V 20P	1	
C8098,99	YGM1C471J1HT	C.CAPACITOR 16V 470U	2	
C8105	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	1	F1H1E104A016
C8108	F1K1E1040003	C.CAPACITOR CH 25V 0.1U	1	
C8109	5X122K5VT	C.CAPACITOR 50V 1200P	1	F1H1H122A013
C8111	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	1	F1H1E104A016
C8112	SK21A225KRA	T.CAPACITOR CH 10V 2.2U	1	
C8113	F1H1E223A002	C.CAPACITOR CH 25V 0.022U	1	
C8118	ECST1CC336	T.CAPACITOR CH 16V 33U	1	
C8119	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	1	F1H1E104A016
C8120	ECST1CX106	T.CAPACITOR CH 16V 10U	1	
C8121,22	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	2	F1H1E104A016
C8123	ECST1CC336	T.CAPACITOR CH 16V 33U	1	
C8124-27	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	4	F1H1E104A016
C8136	ECEV1CN100Q	E.CAPACITOR CH 16V 10U	1	
C8137,38	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	2	F1H1E104A016
C8139	F3F1A1060001	T.CAPACITOR CH 10V 10U	1	
C8140	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	1	F1H1E104A016
C8141	ECST1CX156	T.CAPACITOR CH 16V 15U	1	
C8142,43	YGM1C470J1HT	C.CAPACITOR 16V 47P	2	
C8144	F1H1H150A231	C.CAPACITOR CH 50V 22P	1	
C8145,46	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	2	F1H1E104A016
C8147	F3F1A1060001	T.CAPACITOR CH 10V 10U	1	
C8150	ECST1DX106	T.CAPACITOR CH 20V 10U	1	
C8153,54	YGM1C470J1HT	C.CAPACITOR 16V 47P	2	
C8155	F1H1H150A231	C.CAPACITOR CH 50V 22P	1	
C8157	YGM1C100D1HT	C.CAPACITOR 16V 10P	1	F1H1H100A226
C8161	ECST1AX226	T.CAPACITOR CH 10V 22U	1	
C8162	F3F1A1060001	T.CAPACITOR CH 10V 10U	1	
C8163	ECST1DX106	T.CAPACITOR CH 20V 10U	1	
C8165	F1H1H151A231	C.CAPACITOR CH 50V 150P	1	
C8166	F1H1H330A231	C.CAPACITOR CH 50V 33P	1	
C8168	F3F1A1060001	T.CAPACITOR CH 10V 10U	1	
C8172	ECST1CX156	T.CAPACITOR CH 16V 15U	1	
C8173	YGM1C020C1HT	C.CAPACITOR 16V 2P	1	F1H1H2R0A260
C8178	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	1	F1H1E104A016
C8187	SK31A475KRA	T.CAPACITOR CH 10V 4.7U	1	
C8188	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	1	F1H1E104A016
C8189	ECST1AC476	T.CAPACITOR CH 10V 47U	1	
C8190,91	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	2	F1H1E104A016
C8192	F1H1H150A231	C.CAPACITOR CH 50V 22P	1	
C8193,94	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	2	F1H1E104A016
C8196	YGM1F105Z1AT	C.CAPACITOR 31.5V 1U	1	
C8209	F1H1H181A004	C.CAPACITOR CH 50V 180P	1	
C8213-16	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	4	F1H1E104A016
C8219	F1H1H101A231	C.CAPACITOR CH 50V 100P	1	
C8221	YGM1C220J1HT	C.CAPACITOR 16V 22P	1	F1H1H220A231
C8222	YGM1C040C1HT	C.CAPACITOR 16V 4P	1	F1H1H4R0A243
C8223	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	1	F1H1E104A016
C8225,26	YGM1C220J1HT	C.CAPACITOR 16V 22P	2	F1H1H220A231
C8228	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	1	F1H1E104A016
C8229	F3H1A4760005	T.CAPACITOR CH 10V 47U	1	
C8230-32	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	3	F1H1E104A016
C8233	YGM1C470J1HT	C.CAPACITOR 16V 47P	1	
C8240	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C8600,01	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	2	F1H1E104A016
C8603	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C8604,05	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	2	F1H1E104A016
C8608-10	ECST1AY106	T.CAPACITOR CH 10V 10U	3	
C8612	ECST1AY106	T.CAPACITOR CH 10V 10U	1	
C8613-18	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	6	
C8650,51	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	2	
C8652	ECUX1H150JCV	C.CAPACITOR CH 50V 15P	1	
C8653	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C8654	ECUX1H180JCV	C.CAPACITOR CH 50V 18P	1	
C8655	ECUX1H820JCV	C.CAPACITOR CH 50V 82P	1	
C8656	ECUX1H121JCV	C.CAPACITOR CH 50V 120P	1	
C8657,58	ECUX1H104KBV	C.CAPACITOR CH 50V 0.1U	2	
C8659	ECST1CC336	T.CAPACITOR CH 16V 33U	1	
C8662	ECUX1H820JCV	C.CAPACITOR CH 50V 82P	1	
C8663	ECUX1H070DCV	C.CAPACITOR CH 50V 7P	1	
C8664	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C8700,01	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C8702,03	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	2	F1H1E104A016
C8750	ECST1EC106	T.CAPACITOR CH 25V 10U	1	
C8751	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	1	F1H1E104A016
C8752	ECST1DX106	T.CAPACITOR CH 20V 10U	1	
C8753	ECST0JC686	T.CAPACITOR CH6.3V 68U	1	
C8754	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	1	F1H1E104A016
C8755	F3H1A4760005	T.CAPACITOR CH 10V 47U	1	
C8756	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C8757	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	1	F1H1E104A016
C8759	SK41C336MC	T.CAPACITOR CH 16V 33U	1	
C8760	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C8761	ECST1AY106	T.CAPACITOR CH 10V 10U	1	
C8762	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C8763	ECST0JY106Z	T.CAPACITOR CH6.3V 10U	1	
C8764	ECST1CX156	T.CAPACITOR CH 16V 15U	1	
C8765,66	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C8767	ECUX1H104KBV	C.CAPACITOR CH 50V 0.1U	1	
C8800-03	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C8804	ECST1CX156	T.CAPACITOR CH 16V 15U	1	
C8805-08	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C8809	ECST1CX156	T.CAPACITOR CH 16V 15U	1	
C8810-17	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	8	
C8818,19	ECST1AX336	E.CAPACITOR 6.3V 120U	2	
C8820,21	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C8822	ECST1CX106	T.CAPACITOR CH 16V 10U	1	
C8823	ECST1CC336	T.CAPACITOR CH 16V 33U	1	
D3301	MA142K-G	DIODE	1	
D3401	MA143-G	DIODE	1	
D4001	MA142WK-G	DIODE	1	
D4003	MA142WK-G	DIODE	1	
D4004-09	MA143-G	DIODE	6	
D4100,01	MA142K-G	DIODE	2	
D4200-03	MA143-G	DIODE	4	
D4400	MA3220	DIODE	1	
D4401	MA143-G	DIODE	1	
D6000	MA142K-G	DIODE	1	
D6005	MA143-G	DIODE	1	
D6007	MA143-G	DIODE	1	
D6009	MA142K-G	DIODE	1	
D6010,11	MA143-G	DIODE	2	
D6013-20	MA143-G	DIODE	8	
D6100	MA142WA-G	DIODE	1	
D6400	MA142WA-G	DIODE	1	
D7101	MA3J142K0L	DIODE	1	
D7201	MA3J142K0L	DIODE	1	
D7301	MA3J142K0L	DIODE	1	
D8004-07	B0CCAB000015	DIODE	4	
D8700,01	MA143-G	DIODE	2	
D8750	MA3056-M	DIODE	1	MAZ30560ML
FL3001	J0E6004B0012	FILTER	1	
FL4300	G4ZZ00000278	FILTER	1	
FL8002	J0E3584B0005	FILTER	1	
IC3001	C0CBADD00003	IC	1	
IC3003-05	AD8051AR	IC	3	
IC3006	XC62FP3002P	IC	1	
IC3007-09	C0FBAF000042	IC	3	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC3010-12	C0ABEB000035	IC	3	
IC3013	C0CBABC00060	IC	1	
IC3301	XC62FP3002P	IC	1	
IC3302	C1AB00001449	IC	1	
IC3303	TC4W53FU	IC	1	C0JBAR000113
IC3305,06	C1AB00000430	IC	2	
IC3307	C0JBAZ000516	IC	1	
IC3308	AD8051AR	IC	1	
IC3309	C0ABBB000158	IC	1	
IC3310	C0CBADD00003	IC	1	
IC3401	C0CBABC00060	IC	1	
IC3402	C0JBAZ001605	IC	1	
IC3403	BH7086KV	IC	1	C1ZBZ0001649
IC3404	C0JBAB000175	IC	1	
IC3500	M62370GP	IC	1	C0FBBD000082
IC3501	C0JBAZ001348	IC	1	
IC3502	C0ABEB000035	IC	1	
IC3601	XC62FP3002P	IC	1	
IC3602	AN3742FHN-EB	IC	1	
IC3604	C1AB00000860	IC	1	
IC3702	C0CBADD00003	IC	1	
IC3703	C0JBAZ001605	IC	1	
IC3704	C0ABCA000038	IC	1	
IC3705	C0JBAA000102	IC	1	
IC3706	C0JBAZ001605	IC	1	
IC3707	C0JBAA000265	IC	1	
IC3710	C0DBEZC00009	IC	1	
IC4000	UPC5022GA121	IC	1	
IC4001	C0ABEB000034	IC	1	
IC4002	C0JBAZ001348	IC	1	
IC4003,04	C0JBAB000200	IC	2	
IC4005	C0JBAZ000610	IC	1	
IC4100,01	C0ABBB000124	IC	2	
IC4102	C0JBAZ001348	IC	1	
IC4105	C0JBAA000224	IC	1	
IC4106	C0JBAZ001348	IC	1	
IC4200	C0CBABC00049	IC	1	
IC4201	AK4503VF	IC	1	
IC4202,03	C0ABEB000034	IC	2	
IC4204	C0ABEB000035	IC	1	
IC4205	C0JBAZ000279	IC	1	
IC4300	C0JBAZ001348	IC	1	
IC4301	C0ABEB000035	IC	1	
IC4302	C1BB00000311	IC	1	
IC4303	C0ABEB000035	IC	1	
IC4400	C0ABEB000034	IC	1	
IC4401	C1AB00001196	IC	1	
IC4402	C0JBAZ001348	IC	1	
IC6000	C0EBJ0000049	IC	1	
IC6001	C0EBE0000075	IC	1	
IC6002	C0ABBA000075	IC	1	
IC6004	C0JBAZ000279	IC	1	
IC6005	C0JBAB000175	IC	1	
IC6006	C0ABBA000075	IC	1	
IC6101	C0JBZZ000027	IC	1	
IC6102,03	TVHT541FT	IC	2	C0JBAZ000856
IC6105	C3ZBD0000004	IC	1	
IC6106	C1ZBZ0001318	IC	1	
IC6107	C1ZBZ0001486	IC	1	
IC6108	TVHT541FT	IC	1	C0JBAZ000856
IC6200	C1AB00000936	IC	1	
IC6301	C1AB00000936	IC	1	
IC6302	C0JBAZ001605	IC	1	
IC6400,01	C0JBAF000315	IC	2	
IC6402	C1AB00001228	IC	1	
IC6403	C0JBAE000135	IC	1	
IC6404	THC4052FT	IC	1	
IC6502,03	C0JBAB000422	IC	2	
IC7001	C0JBAB000028	IC	1	
IC7005	TC4W53FU	IC	1	C0JBAR000113
IC7006	NJM2059M	IC	1	C0ABCB000023
IC7007	C5AB00000001	IC	1	
IC7008	C0JBAA000014	IC	1	
IC7101	C0JBAZ001348	IC	1	
IC7102,03	NJM4559M	IC	2	C0ABBB000050

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC7104	C0ABEB000037	IC	1	
IC7105	NJM4560M	IC	1	
IC7108	TC4W53FU	IC	1	C0JBAR000113
IC7201	C0JBAZ001348	IC	1	
IC7202,03	NJM4559M	IC	2	C0ABBB000050
IC7204	C0ABEB000037	IC	1	
IC7205	NJM4560M	IC	1	
IC7208	TC4W53FU	IC	1	C0JBAR000113
IC7301	C0JBAZ001348	IC	1	
IC7302,03	NJM4559M	IC	2	C0ABBB000050
IC7304	C0ABEB000037	IC	1	
IC7305	NJM4560M	IC	1	
IC7308	TC4W53FU	IC	1	C0JBAR000113
IC7501,02	TC7SET32FU	IC	2	
IC7503	C0ABFB000012	IC	1	
IC7504	C0JBAZ001348	IC	1	
IC7505	C0ABFB000012	IC	1	
IC7506	C0JBAZ001348	IC	1	
IC7507	M62352GP	IC	1	C0FBBD000023
IC8001	M51957BFP	IC	1	C0EBH0000062
IC8004	C0JBAA000014	IC	1	
IC8005	BR9040F	IC	1	
IC8006	C0JBAN000098	VHC	1	
IC8007	UPD6465GT611	IC	1	
IC8009	M62352GP	IC	1	C0FBBD000023
IC8010-12	MN6577F	IC	3	
IC8015	C0ABBA000075	IC	1	
IC8018	TVS1129	IC	1	C0JBAZ000525
IC8020	NJM2903M	IC	1	C0BBBA000019
IC8026	C0JBAC000111	IC	1	
IC8029	C1ZBZ0000169	IC	1	
IC8030	F432532APGF	IC	1	C1AB00000199
IC8031	C0JBAB000220	IC	1	
IC8032	C0JBAB000175	IC	1	
IC8035	C0JBAA000102	IC	1	
IC8037	MB40950	IC	1	C0FABD000019
IC8039	LM1881M	IC	1	C1AB00000178
IC8040	C0JBAM000039	IC	1	
IC8041	C0JBAD000071	IC	1	
IC8042	C0JBAB000005	IC	1	
IC8044	C0JBAB000005	IC	1	
IC8047	C0JBAB000003	IC	1	
IC8048	C0JBAF000162	IC	1	
IC8049	C0JBAZ000025	IC	1	
IC8050	C0JBAF000162	IC	1	
IC8051	TC7SH08FU	IC	1	
IC8422	C0JBAB000220	IC	1	
IC8423	C0JBAZ000280	IC	1	
IC8425	C0JBAB000175	IC	1	
IC8429	C0ABBB000179	IC	1	
IC8432	C0ABEB000023	IC	1	
IC8601	C0JBAC000111	IC	1	
IC8604,05	C0CBABC00059	IC	2	
IC8700,01	TC4W53FU	IC	2	C0JBAR000113
IC8702,03	TC7W126F	IC	2	
IC8704	C0JBAA000102	IC	1	
IC8751	NJM431U	IC	1	C0DBEZC00003
IC8754	C0ABBA000075	IC	1	
IC8755	C0ABCA000038	IC	1	
IC8756	C0JBAB000180	IC	1	
IC8757	XC62FP4502PR	IC	1	
IC8758	C0JBAA000255	IC	1	
IC8800	ADV7123KST50	IC	1	C0FBBF000020
IC8802,03	C0JBAA000115	IC	2	
IC8804-07	TC4W53FU	IC	4	C0JBAR000113
IC8808,09	C0JBAB000175	IC	2	
IP3402	C1ZBZ0001968	IC	1	
IP6003	C2GBC0000084	MICRO CONTROLLER	1	
IP6501	C1ZBZ0001803	IC	1	
IP8003	UL1A531A	IC	1	
J3601	VJR1094	TERMINAL	1	
J7001,02	VJR1094	TERMINAL	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
L1,L2	VLQ0163J1R5	COIL 1.5UH	2	FOR VEP000X6A
L11,12	J0JKC0000009	FILTER	2	
L13-17	J0JBC0000014	FILTER	5	
L50,51	J0JBC0000014	FILTER	2	
L52	VLQ0319M6R8	COIL 6.8UH	1	G1C6R8MA0001
L3001,02	G1C820J00002	COIL 82UH	2	
L3003,04	VLQ0163J680	COIL 68UH	2	
L3005	VLQ0319K101	COIL 100UH	1	G1C101K00022
L3301,02	VLQ0163J120	COIL 12UH	2	G1C120J00001
L3303	VLQ0163J6R8	COIL 6.8UH	1	G1C6R8J00007
L3304	G1C8R2J00002	COIL 8.2UH	1	
L3305	VLQ0319K101	COIL 100UH	1	G1C101K00022
L3403,04	J0JBC0000019	FILTER	2	
L3601	J0JBC0000019	FILTER	1	
L3602,03	VLQ0319K101	COIL 100UH	2	G1C101K00022
L4000-05	VLQ0163J100	COIL 10UH	6	G1C100J00001
L4201,02	VLQ0163J100	COIL 10UH	2	G1C100J00001
L7501	VLQ0319K220	COIL 22UH	1	G1C220K00015
L8001	G1C390J00001	COIL	1	
L8002-04	J0JBC0000019	FILTER	3	
L8005	ELJFC4R7MF	COIL 4.7UH	1	
L8006	G1C4R7J00002	COIL	1	
L8007,08	ELJFC4R7MF	COIL 4.7UH	2	
L8009,10	ELJFC5R6MF	COIL 5.6UH	2	
L8551	J0JKC0000009	FILTER	1	
L8600	J0JKC0000009	FILTER	1	
L8603,04	J0JBC0000019	FILTER	2	
L8651	ELJFC4R7MF	COIL 4.7UH	1	
L8652	VLQ0163J5R6	COIL 5.6UH	1	
L8653	VLQ0163J680	COIL 68UH	1	
L8654	VLQ0163J221	COIL 220UH	1	G1C221J00003
L8700,01	J0JBC0000019	FILTER	2	
L8800	ELJFC4R7MF	COIL 4.7UH	1	
P1	VJP3978C120E	CONNECTOR (MALE)	1	
P2	K1MN20A00036	CONNECTOR	1	
P3	K1MZ06B00001	CONNECTOR	1	
P4	K1MM16B00003	CONNECTOR	1	
P6	K1MM21B00003	CONNECTOR	1	
P7	VJS2848D018	CONNECTOR (FEMALE)	1	K1MN18B00010
P8	VJP3125D015	CONNECTOR (MALE)	1	K1KA15B00034
P9	VJS3801D024	CONNECTOR (FEMALE)	1	
P10	K1KA11B00031	CONNECTOR (MALE)	1	
P11	K1KA06B00106	CONNECTOR (MALE)	1	
P12	VJS3801D024	CONNECTOR (FEMALE)	1	
P13	VJS3801D040	CONNECTOR	1	K1MN40B00010
P15	VJP3172D003	CONNECTOR (MALE)	1	K1KA03B00006
P16	K1KA13B00037	CONNECTOR (MALE)	1	
P17	VJP3172D002	CONNECTOR (MALE)	1	K1KA02B00051
P18	VJP3125B010	CONNECTOR (MALE)	1	K1KA10B00136
P19	K1KA08B00147	CONNECTOR (MALE)	1	
P20	K1KA60B00052	CONNECTOR (MALE)	1	
P21	VJP3358C022	CONNECTOR (MALE)	1	K1KA22A00027
P22	VJP3172D007	CONNECTOR (MALE)	1	
P23	VJP3172D006	CONNECTOR (MALE)	1	K1KA06B00054
P30	K1MN20A00036	CONNECTOR	1	
P6000	K1MN20A00036	CONNECTOR	1	
P8000	K1MN20A00036	CONNECTOR	1	
P8001	K1KA02A00079	CONNECTOR (MALE)	1	
Q3001-04	2SD1819ALL	TRANSISTOR	4	
Q3005,06	2SA15320XL	TRANSISTOR	2	
Q3007,08	2SB1218ALL	TRANSISTOR	2	
Q3009-11	2SD1819ALL	TRANSISTOR	3	
Q3012-14	2SK06620LL	TRANSISTOR	3	
Q3015-17	2SD1819ALL	TRANSISTOR	3	
Q3301	2SD1819ALL	TRANSISTOR	1	
Q3302	XP0431200L	TRANSISTOR	1	
Q3701-04	2SD0874ALL	TRANSISTOR	4	
Q4000	2SD1819A-R	TRANSISTOR	1	2SD1819ARL
Q4001	2SD0602ASL	TRANSISTOR	1	
Q4002	2SB0710ARL	TRANSISTOR	1	
Q4003-05	2SB12200HL	TRANSISTOR	3	
Q4100,01	2SD197900L	TRANSISTOR	2	
Q4102-04	2SD1819A-R	TRANSISTOR	3	2SD1819ARL

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
Q4105,06	2SD197900L	TRANSISTOR	2	
Q4107-09	2SD1819A-R	TRANSISTOR	3	2SD1819ARL
Q4400	2SD0602ARL	TRANSISTOR	1	
Q4401-04	2SD197900L	TRANSISTOR	4	
Q4405	2SB1219AHL	TRANSISTOR	1	
Q6401	XN0121300L	TRANSISTOR-RESISTOR	1	
Q6403	XN0460100L	TRANSISTOR-RESISTOR	1	
Q7102	XN0653400L	TRANSISTOR-RESISTOR	1	
Q7103	2SC39310YL	TRANSISTOR	1	
Q7104	2SK662-R	TRANSISTOR	1	2SK06620EL
Q7105	XN0653400L	TRANSISTOR	1	
Q7106-08	XN0643500L	TRANSISTOR	3	
Q7110	XN0643500L	TRANSISTOR	1	
Q7111	2SK662-R	TRANSISTOR	1	2SK06620EL
Q7113-16	XN0643500L	TRANSISTOR	4	
Q7117,18	2SA15320CL	TRANSISTOR	2	
Q7119	2SC39310YL	TRANSISTOR	1	
Q7120	2SK662-R	TRANSISTOR	1	2SK06620EL
Q7121	XN0643500L	TRANSISTOR	1	
Q7122	2SC39310YL	TRANSISTOR	1	
Q7202	XN0653400L	TRANSISTOR	1	
Q7203	2SC39310YL	TRANSISTOR	1	
Q7204	2SK662-R	TRANSISTOR	1	2SK06620EL
Q7205	XN0653400L	TRANSISTOR	1	
Q7206-08	XN0643500L	TRANSISTOR	3	
Q7210	XN0643500L	TRANSISTOR	1	
Q7211	2SK662-R	TRANSISTOR	1	2SK06620EL
Q7213-16	XN0643500L	TRANSISTOR	4	
Q7217,18	2SA15320CL	TRANSISTOR	2	
Q7219	2SC39310YL	TRANSISTOR	1	
Q7220	2SK662-R	TRANSISTOR	1	2SK06620EL
Q7221	XN0643500L	TRANSISTOR	1	
Q7222	2SC39310YL	TRANSISTOR	1	
Q7302	XN0653400L	TRANSISTOR	1	
Q7303	2SC39310YL	TRANSISTOR	1	
Q7304	2SK662-R	TRANSISTOR	1	2SK06620EL
Q7305	XN0653400L	TRANSISTOR	1	
Q7306-08	XN0643500L	TRANSISTOR	3	
Q7310	XN0643500L	TRANSISTOR	1	
Q7311	2SK662-R	TRANSISTOR	1	2SK06620EL
Q7313-16	XN0643500L	TRANSISTOR	4	
Q7317,18	2SA15320CL	TRANSISTOR	2	
Q7319	2SC39310YL	TRANSISTOR	1	
Q7320	2SK662-R	TRANSISTOR	1	2SK06620EL
Q7321	XN0643500L	TRANSISTOR	1	
Q7322	2SC39310YL	TRANSISTOR	1	
Q7501-03	2SD1819A-R	TRANSISTOR	3	
Q8004	XP0460100L	TRANSISTOR	1	
Q8022	2SB1218ALL	TRANSISTOR	1	
Q8023,24	2SC39310YL	TRANSISTOR	2	
Q8025	2SB1218ALL	TRANSISTOR	1	
Q8026	B1ABCF000059	TRANSISTOR	1	
Q8028	B1ABCF000059	TRANSISTOR	1	
Q8035	B1ABCF000059	TRANSISTOR	1	
Q8038	2SC39310YL	TRANSISTOR	1	
Q8039	B1ABCF000059	TRANSISTOR	1	
Q8044	2SB1218ALL	TRANSISTOR	1	
Q8045	B1ABCF000059	TRANSISTOR	1	
Q8047-49	2SC39310YL	TRANSISTOR	3	
Q8050	XP0460100L	TRANSISTOR	1	
Q8055	2SD18200WL	TRANSISTOR	1	
Q8056	2SB1219AHL	TRANSISTOR	1	
Q8750	2SB07660HL	TRANSISTOR	1	
Q8751,52	2SB1218-Q	TRANSISTOR	2	
Q8753	2SD0874ALL	TRANSISTOR	1	
Q8754	2SB07660HL	TRANSISTOR	1	
Q8800-02	2SB1218ALL	TRANSISTOR	3	
Q8803	2SD1819A-R	TRANSISTOR	1	
Q8804	2SB1218ALL	TRANSISTOR	1	
Q8805-07	2SD1819A-R	TRANSISTOR	3	
QR3301-03	UN9212J	TRANSISTOR	3	
QR4000	UNR511300L	TRANSISTOR	1	
QR4001,02	UNR521F00L	TRANSISTOR	2	
QR4003,04	UNR511300L	TRANSISTOR	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
QR4005,06	UNR521F00L	TRANSISTOR	2	
QR4007	UNR511300L	TRANSISTOR	1	
QR4008-10	UNR521300L	TRANSISTOR	3	
QR4100	UNR511300L	TRANSISTOR	1	
QR4101	UNR521300L	TRANSISTOR	1	
QR4102	UNR511300L	TRANSISTOR	1	
QR4103	UNR521300L	TRANSISTOR	1	
QR4104	UNR511300L	TRANSISTOR	1	
QR4105	UNR521300L	TRANSISTOR	1	
QR4106	UNR511300L	TRANSISTOR	1	
QR4107	UNR521300L	TRANSISTOR	1	
QR4400	UNR521300L	TRANSISTOR	1	
QR4401	UNR511300L	TRANSISTOR	1	
QR6201	UN5215	TRANSISTOR	1	
QR6300	UNR521300L	TRANSISTOR	1	
QR6301-04	UNR511500L	TRANSISTOR	4	
QR6400	UNR521100L	TRANSISTOR	1	
QR6401	UNR511100L	TRANSISTOR	1	
QR6402,03	UNR521100L	TRANSISTOR	2	
QR8700	UNR521300L	TRANSISTOR	1	
QR8702	UNR521300L	TRANSISTOR	1	
R3	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R9	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R10	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R12	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R15-18	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	4	
R20-22	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	3	
R50-53	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	4	
R3001-03	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	3	
R3004,05	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R3006	ERJ3RBD512	M.RESISTOR CH 1/16W 5.1K	1	
R3010	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R3011	ERJ3RBD683	M.RESISTOR CH 1/16W 68K	1	
R3012	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R3013	ERJ3RBD683	M.RESISTOR CH 1/16W 68K	1	
R3016,17	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R3018	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3019-22	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	4	
R3023	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3024,25	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	2	
R3026-29	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	4	
R3030,31	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3032,33	ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K	2	
R3036,37	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R3038	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R3039	ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K	1	
R3040	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R3041	ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K	1	
R3042	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R3043	ERJ3GEYJ274	M.RESISTOR CH 1/16W 270K	1	
R3044	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R3046	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R3048-50	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	3	
R3051-53	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	3	
R3057-59	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	3	
R3060	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R3061,62	ERJ3RBD271	M.RESISTOR CH 1/16W 270	2	
R3063-65	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	
R3066	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R3068	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R3070	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R3078-80	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	3	
R3081-83	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	3	
R3084-86	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	3	
R3087-89	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	3	
R3090-92	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	3	
R3094	ERJ3RBD331	M.RESISTOR CH 1/16W 330	1	
R3095	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3096	ERJ3RBD221	M.RESISTOR CH 1/16W 220	1	
R3097	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3098	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R3099	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3100	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3101	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R3102	ERJ3RBD622	M.RESISTOR CH 1/16W 6.2K	1	
R3103	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R3104	ERJ3RBD622	M.RESISTOR CH 1/16W 6.2K	1	
R3105	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R3109	ERJ3RED200	M.RESISTOR CH 1/16W 20	1	
R3110	ERJ3RBD681	M.RESISTOR CH 1/16W 680	1	
R3111	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R3112	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R3113	ERJ3RED200	M.RESISTOR CH 1/16W 20	1	
R3114	ERJ3RBD681	M.RESISTOR CH 1/16W 680	1	
R3115	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R3116	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R3117	ERJ3RED200	M.RESISTOR CH 1/16W 20	1	
R3118	ERJ3RBD681	M.RESISTOR CH 1/16W 680	1	
R3119	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R3120	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R3121	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R3122	ERJ3RBD162	M.RESISTOR CH 1/16W 1.6K	1	
R3123	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R3124	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R3125	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R3126	ERJ3RBD162	M.RESISTOR CH 1/16W 1.6K	1	
R3127	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R3128	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R3129	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R3130	ERJ3RBD162	M.RESISTOR CH 1/16W 1.6K	1	
R3131	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R3132	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R3135	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R3301	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R3302	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R3303	ERJ3RBD393	M.RESISTOR CH 1/16W 39K	1	
R3311	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R3312	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R3313	ERJ3RBD433	M.RESISTOR CH 1/16W 43K	1	
R3314,15	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R3316,17	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R3318	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3319,20	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	2	
R3321	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R3322	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3323	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R3324,25	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	2	
R3327	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	1	
R3330,31	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R3332	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3334	ERJ6RED750	M.RESISTOR CH 1/10W 75	1	
R3335	ERJ6RED620	M.RESISTOR CH 1/10W 62	1	
R3336	ERJ6RED750	M.RESISTOR CH 1/10W 75	1	
R3337	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R3338	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3339	ERJ6RED470	M.RESISTOR CH 1/10W 47	1	
R3340	ERJ3RBD362	M.RESISTOR CH 1/16W 3.6K	1	
R3341	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R3342	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R3343	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R3344	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R3345	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R3346	ERJ3GEYJ274	M.RESISTOR CH 1/16W 270K	1	
R3348	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R3349	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R3350	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R3351	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3352	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R3353	ERJ3RBD221	M.RESISTOR CH 1/16W 220	1	
R3355	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R3356	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3357	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R3358	ERJ3RBD221	M.RESISTOR CH 1/16W 220	1	
R3360	ERJ3RBD512	M.RESISTOR CH 1/16W 5.1K	1	
R3361	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R3362	ERJ3RBD162	M.RESISTOR CH 1/16W 1.6K	1	
R3363	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3364	ERJ3RBD911	M.RESISTOR CH 1/16W 910	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3367	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R3369	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3371	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3373	ERJ3GEYJ752	M.RESISTOR CH 1/16W 7.5K	1	
R3374	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R3375	ERJ3GEYJ224	M.RESISTOR CH 1/16W 220K	1	
R3376	ERJ3RBD621	M.RESISTOR CH 1/16W 620	1	
R3378	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R3382	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3383	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R3385	ERJ3GEYJ243	M.RESISTOR CH 1/16W 24K	1	
R3386-88	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R3401	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R3405-07	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R3408	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R3409	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3412	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R3413	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3414	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3415	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3416	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R3419	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R3420	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3422	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3423	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3424	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R3425	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3426,27	VLF1147A680	COIL	2	
R3428	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3430,31	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3432	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3433	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3434-37	D1H810140001	COMBI.R-R	4	
R3502	ERJ3RBD433	M.RESISTOR CH 1/16W 43K	1	
R3503	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R3505	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3507	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3601	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R3605	ERJ3RBD391	M.RESISTOR CH 1/16W 390	1	
R3606	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R3607	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3608	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R3609	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R3610	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R3611	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R3612	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3613	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3614-16	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R3617	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3619,20	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	2	
R3621	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R3622	ERJ3GEYJ162	M.RESISTOR CH 1/16W 1.6K	1	
R3623	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R3624	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3625,26	ERJ3GEYJ391	M.RESISTOR CH 1/16W 390	2	
R3627	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R3628	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R3629	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R3630	ERJ3RBD391	M.RESISTOR CH 1/16W 390	1	
R3631	ERJ3RBD302	M.RESISTOR CH 1/16W 3K	1	
R3632	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3636	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3639	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3701	ERJ3RBD221	M.RESISTOR CH 1/16W 220	1	
R3702	ERJ3RBD363	M.RESISTOR CH 1/16W 36K	1	
R3703	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3704	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R3707	ERJ3RBD681	M.RESISTOR CH 1/16W 680	1	
R3708	ERJ3RED200	M.RESISTOR CH 1/16W 20	1	
R3709	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1	
R3710	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R3711	ERJ3RBD471	M.RESISTOR CH 1/16W 470	1	
R3712	ERJ3RBD181	M.RESISTOR CH 1/16W 180	1	
R3713	ERJ3RED510	M.RESISTOR CH 1/16W 51	1	
R3714	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3715	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R3716	ERJ3RBD201	M.RESISTOR CH 1/16W 200	1	
R3717,18	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	2	
R3719	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R3720	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R3721	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1	
R3724,25	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3730	ERJ3RBD243	M.RESISTOR CH 1/16W 24K	1	
R4000	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R4001,02	ERJ14YJ682	M.RESISTOR CH 1/16W 6.8K	2	
R4003,04	ERJ6RBD223	M.RESISTOR CH 1/16W 22K	2	
R4005	ERJ3GEYJ911	M.RESISTOR CH 1/16W 910	1	
R4006	ERJ6GEYG392	M.RESISTOR CH 1/10W 3.9K	1	
R4007-10	ERJ14YJ682	M.RESISTOR CH 1/16W 6.8K	4	
R4011,12	ERJ6RBD223	M.RESISTOR CH 1/16W 22K	2	
R4013	ERJ3GEYJ911	M.RESISTOR CH 1/16W 910	1	
R4014	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R4015	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R4016	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4017	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R4018	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R4019	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R4020	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4021	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R4022,23	D1H84734A008	COMBI.R-R	2	
R4024,25	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R4026,27	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	2	
R4031	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R4032	ERJ3GEYJ334	M.RESISTOR CH 1/16W 330K	1	
R4033	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R4034	ERJ3GEYJ334	M.RESISTOR CH 1/16W 330K	1	
R4035	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R4036	ERJ3GEYJ334	M.RESISTOR CH 1/16W 330K	1	
R4100	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R4101	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4102	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R4103	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R4104	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R4105	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R4106	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1	
R4107	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	1	
R4108	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R4109	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R4110	ERJ3RBD511	M.RESISTOR CH 1/16W 510	1	
R4111	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R4112	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R4113	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R4114	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R4115,16	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R4117	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4118	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R4119	ERJ3GEYJ155	M.RESISTOR CH 1/16W 1.5M	1	
R4120	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R4121	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R4122	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4123	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R4124	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R4125	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R4126	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R4127	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R4128	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R4129	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1	
R4130	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	1	
R4131	ERJ3RBD511	M.RESISTOR CH 1/16W 510	1	
R4132	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R4133	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R4134	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R4135	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R4136,37	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R4138	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4139	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R4140	ERJ3GEYJ155	M.RESISTOR CH 1/16W 1.5M	1	
R4141	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R4153	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R4154	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R4159	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R4161	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4200,01	ERJ6RBD472	M.RESISTOR CH 1/10W 4.7K	2	
R4202	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R4203	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R4204	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R4206	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4207-09	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	3	
R4210	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R4211	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R4212	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R4213-16	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	4	
R4217	ERJ3RBD183	M.RESISTOR CH 1/16W 18K	1	
R4218-20	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	3	
R4221	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R4222	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R4223	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R4224-27	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	4	
R4228	ERJ3RBD183	M.RESISTOR CH 1/16W 18K	1	
R4229,30	ERJ6RBD472	M.RESISTOR CH 1/10W 4.7K	2	
R4231	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R4232	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R4233	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R4234	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R4235,36	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R4237,38	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	2	
R4264	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4300-02	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	3	
R4303	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R4304,05	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	
R4306	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R4307	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R4308	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4309	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R4310	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R4311	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R4312	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R4313	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R4314	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R4315	ERJ3GEYJ391	M.RESISTOR CH 1/16W 390	1	
R4317	ERJ6RBD183	M.RESISTOR CH 1/10W 18K	1	
R4318	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R4319	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R4320	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R4322	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R4323	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R4324	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R4325	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R4327	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4400,01	ERJ14YJ682	M.RESISTOR CH 1/4W 6.8K	2	
R4402	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R4403	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R4406	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R4407	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1	
R4408	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4409	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R4410	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R4411	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R4412	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R4415	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R4416	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1	
R4417	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4418	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R4419	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R4420	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R4424	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4425	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R4426	ERJ6GEYJ100	M.RESISTOR CH 1/10W 10	1	
R4427,28	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R4429-31	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	
R4432,33	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R6001	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R6002	ERJ3RBD823	M.RESISTOR CH 1/16W 82K	1	
R6003	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R6004,05	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R6007	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R6010	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R6015	D1H84734A008	COMBI.R-R	1	
R6016	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R6019	D1H84734A008	COMBI.R-R	1	
R6022	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6025	D1H84734A008	COMBI.R-R	1	
R6029	D1H84734A008	COMBI.R-R	1	
R6030	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R6031	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6033	D1H84734A008	COMBI.R-R	1	
R6034	ERJ3RBD823	M.RESISTOR CH 1/16W 82K	1	
R6035	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6036	D1H84734A008	COMBI.R-R	1	
R6038	ERJ3RBD473	M.RESISTOR CH 1/16W 47K	1	
R6039	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R6040	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6041	D1H84734A008	COMBI.R-R	1	
R6042	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R6044	EXB24V101J	COMBI.R-R 100	1	
R6045	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6046,47	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R6048	EXB24V473J	COMBI.R-R 47K	1	
R6049	EXB24V101J	COMBI.R-R 100	1	
R6050	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R6051	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6052,53	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R6054	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R6055	EXB24V103J	COMBI.R-R 10K	1	
R6056	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R6057,58	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R6059	EXB24V101J	COMBI.R-R 100	1	
R6060	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R6062	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R6063	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6064-68	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	5	
R6069	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R6070	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R6073,74	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R6079	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R6080	EXB24V101J	COMBI.R-R 100	1	
R6081-85	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	5	
R6086-88	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	
R6103	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R6104-09	D1H84734A008	COMBI.R-R	6	
R6110	EXB24V473J	COMBI.R-R 47K	1	
R6111	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6113	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6114	D1H84734A008	COMBI.R-R	1	
R6117	EXB24V473J	COMBI.R-R 47K	1	
R6118	D1H84734A008	COMBI.R-R	1	
R6200	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6202	D1H84734A008	COMBI.R-R	1	
R6203,04	EXBV8V102J	COMBI.R-R 2K	2	D1H810240001
R6205,06	D1H84734A008	COMBI.R-R	2	
R6209	D1H84734A008	COMBI.R-R	1	
R6210	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6212	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6213	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6300	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6301	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6302,03	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R6304	D1H84734A008	COMBI.R-R	1	
R6307-10	D1H84734A008	COMBI.R-R	4	
R6313,14	D1H84734A008	COMBI.R-R	2	
R6315,16	EXBV8V102J	COMBI.R-R 2K	2	D1H810240001
R6317-20	ERJ6GEYG121	M.RESISTOR CH 1/10W 120	4	
R6321,22	D1H84734A008	COMBI.R-R	2	
R6323	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6328	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R6329	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6400	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6401	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6405	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6406	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R6407-10	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	4	
R6411	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6412,13	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R6414-16	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R6417	D1H84734A008	COMBI.R-R	1	
R6500	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R6501-03	D1H84704A008	COMBI.R-R	3	
R6504	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6505-10	D1H84704A008	COMBI.R-R	6	
R6511	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6512	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R6513	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6516	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R6517-23	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	7	
R7001	ERJ3GEYJ334	M.RESISTOR CH 1/16W 330K	1	
R7002	ERJ3GEYJ224	M.RESISTOR CH 1/16W 220K	1	
R7003	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R7004	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	1	
R7005	ERJ3GEYJ334	M.RESISTOR CH 1/16W 330K	1	
R7006	ERJ3GEYJ224	M.RESISTOR CH 1/16W 220K	1	
R7088	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R7089	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R7090	ERJ3RBD751	M.RESISTOR CH 1/16W 750	1	
R7091	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R7092	ERJ3RBD121	M.RESISTOR CH 1/16W 120	1	
R7093	ERJ3RBD331	M.RESISTOR CH 1/16W 330	1	
R7094	ERJ3RED470	M.RESISTOR CH 1/16W 47	1	
R7095	ERJ3RBD181	M.RESISTOR CH 1/16W 180	1	
R7096	ERJ3RED470	M.RESISTOR CH 1/16W 47	1	
R7097	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R7098	ERJ3RED150	M.RESISTOR CH 1/16W 15	1	
R7099	D1H84734A008	COMBI.R-R	1	
R7100	L311J101J332	THERMO-SENSITIVE RESISTOR	1	
R7102	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R7103	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R7104,05	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R7106,07	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R7108	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R7109	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R7110	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R7111,12	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R7114-16	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	3	
R7117	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R7118	ERJ3GEYJ163	M.RESISTOR CH 1/16W 16K	1	
R7119	ERJ3GEYJ202	M.RESISTOR CH 1/16W 2K	1	
R7121	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R7123	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R7124	ERJ3GEYJ510	M.RESISTOR CH 1/16W 51	1	
R7125	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R7126	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R7127,28	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R7129	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R7130	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R7131	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R7132	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R7133	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R7134	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R7135	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R7136	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R7137	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R7138	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R7139	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	1	
R7140	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R7141,42	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	2	
R7143	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R7144	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R7145,46	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R7147	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R7148	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R7149	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R7150	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R7151,52	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	
R7153	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R7154	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R7155	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R7160	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R7161	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R7162	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R7163	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R7164	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R7165	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R7166	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R7167	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R7168	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R7169	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R7170	ERJ3GEYJ914	M.RESISTOR CH 1/16W 910K	1	
R7171	ERJ3RBD203	M.RESISTOR CH 1/16W 20K	1	
R7172	ERJ3RBD432	M.RESISTOR CH 1/16W 4.3K	1	
R7173	ERJ3RBD512	M.RESISTOR CH 1/16W 5.1K	1	
R7174	ERJ3RBD751	M.RESISTOR CH 1/16W 750	1	
R7175	ERJ3RBD683	M.RESISTOR CH 1/16W 68K	1	
R7176	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R7177	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R7178	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R7179,80	ERJ3RBD471	M.RESISTOR CH 1/16W 470	2	
R7181	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R7182	ERJ3RBD242	M.RESISTOR CH 1/16W 2.4K	1	
R7183	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R7184	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R7185	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R7186	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R7187	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R7188	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R7189	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R7190	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R7192	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R7197	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R7198	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R7200	L311J101J332	THERMO-SENSITIVE RESISTOR	1	
R7202	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R7203	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R7204,05	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R7206,07	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R7208	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R7209	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R7210	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R7211,12	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R7214-16	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	3	
R7217	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R7218	ERJ3GEYJ163	M.RESISTOR CH 1/16W 16K	1	
R7219	ERJ3GEYJ202	M.RESISTOR CH 1/16W 2K	1	
R7221	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R7223	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R7224	ERJ3GEYJ510	M.RESISTOR CH 1/16W 51	1	
R7225	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R7226	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R7227,28	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R7229	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R7230	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R7231	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R7232	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R7233	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R7234	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R7235	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R7236	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R7237	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R7238	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R7239	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	1	
R7240	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R7241,42	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	2	
R7243	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R7244	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R7245,46	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R7247	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R7248	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R7249	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R7250	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R7251,52	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	
R7253	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R7254	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R7255	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R7260	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R7261	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R7262	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R7263	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R7264	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R7265	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R7266	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R7267	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R7268	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R7269	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R7270	ERJ3GEYJ914	M.RESISTOR CH 1/16W 910K	1	
R7271	ERJ3RBD203	M.RESISTOR CH 1/16W 20K	1	
R7272	ERJ3RBD432	M.RESISTOR CH 1/16W 4.3K	1	
R7273	ERJ3RBD512	M.RESISTOR CH 1/16W 5.1K	1	
R7274	ERJ3RBD751	M.RESISTOR CH 1/16W 750	1	
R7275	ERJ3RBD683	M.RESISTOR CH 1/16W 68K	1	
R7276	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R7277	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R7278	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R7279,80	ERJ3RBD471	M.RESISTOR CH 1/16W 470	2	
R7281	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R7282	ERJ3RBD242	M.RESISTOR CH 1/16W 2.4K	1	
R7283	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R7284	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R7285	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R7286	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R7287	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R7288	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R7289	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R7290	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R7292	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R7297	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R7298	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R7300	L311J101J332	THERMO-SENSITIVE RESISTOR	1	
R7302	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R7303	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R7304,05	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R7306,07	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R7308	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R7309	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R7310	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R7311,12	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R7314-16	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	3	
R7317	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R7318	ERJ3GEYJ163	M.RESISTOR CH 1/16W 16K	1	
R7319	ERJ3GEYJ202	M.RESISTOR CH 1/16W 2K	1	
R7321	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R7323	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R7324	ERJ3GEYJ510	M.RESISTOR CH 1/16W 51	1	
R7325	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R7326	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R7327,28	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R7329	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R7330	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R7331	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R7332	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R7333	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R7334	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R7335	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R7336	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R7337	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R7338	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R7339	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	1	
R7340	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R7341,42	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	2	
R7343	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R7344	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R7345,46	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R7347	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R7348	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R7349	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R7350	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R7351,52	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	
R7353	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R7354	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R7355	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R7360	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R7361	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R7362	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R7363	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R7364	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R7365	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R7366	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R7367	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R7368	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R7369	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R7370	ERJ3GEYJ914	M.RESISTOR CH 1/16W 910K	1	
R7371	ERJ3RBD203	M.RESISTOR CH 1/16W 20K	1	
R7372	ERJ3RBD432	M.RESISTOR CH 1/16W 4.3K	1	
R7373	ERJ3RBD512	M.RESISTOR CH 1/16W 5.1K	1	
R7374	ERJ3RBD751	M.RESISTOR CH 1/16W 750	1	
R7375	ERJ3RBD683	M.RESISTOR CH 1/16W 68K	1	
R7376	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R7377	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R7378	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R7379,80	ERJ3RBD471	M.RESISTOR CH 1/16W 470	2	
R7381	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R7382	ERJ3RBD242	M.RESISTOR CH 1/16W 2.4K	1	
R7383	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R7384	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R7385	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R7386	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R7387	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R7388	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R7389	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R7390	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R7392	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R7397	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R7398	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R7501,02	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R7503	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R7504	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R7506	ERJ3RBD104	M.RESISTOR CH 1/16W 100K	1	
R7507	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R7508	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R7509	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R7511	ERJ3RBD104	M.RESISTOR CH 1/16W 100K	1	
R7512	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R7513	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R7514	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R7516	ERJ3RBD104	M.RESISTOR CH 1/16W 100K	1	
R7517,18	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R7519	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R7520	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R7521	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R7522	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R7523	ERJ3RBD104	M.RESISTOR CH 1/16W 100K	1	
R7524	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R7525	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R7526	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R7527	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R7528	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R7529	ERJ3RBD104	M.RESISTOR CH 1/16W 100K	1	
R7530	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R7531	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R7532	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R7533	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R7534	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R7535	ERJ3RBD104	M.RESISTOR CH 1/16W 100K	1	
R8001	EXB24V473J	COMBI.R-R 47K	1	
R8002	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1	
R8007	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R8010	D1H84734A008	COMBI.R-R	1	
R8017	ERJ3RBD432	M.RESISTOR CH 1/16W 4.3K	1	
R8018	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R8049	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R8050	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R8051,52	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R8053	EXB24V101J	COMBI1R-R 100	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R8055	D1H810140001	COMBI.R-R	1	
R8059	ERJ3RBD433	M.RESISTOR CH 1/16W 43K	1	
R8060	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R8061	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R8062	ERJ3GEYJ433	M.RESISTOR CH 1/16W 43K	1	
R8063,64	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R8065	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R8066	ERJ3GEYJ202	M.RESISTOR CH 1/16W 2K	1	
R8067	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R8096	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R8097	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R8098	ERJ3GEYJ512	M.RESISTOR CH 1/16W 5.1K	1	
R8099	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R8100,01	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R8104	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R8106	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R8111	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R8112,13	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R8121	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R8123	ERJ3RBD203	M.RESISTOR CH 1/16W 20K	1	
R8124	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R8125	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R8131	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R8132	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R8134,35	ERJ3GEYJ225	M.RESISTOR CH 1/16W 2.2M	2	
R8138	ERJ3GEYJ623	M.RESISTOR CH 1/16W 62K	1	
R8139	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	1	
R8152	ERJ3RBD431	M.RESISTOR CH 1/16W 430	1	
R8182	ERJ3GEYJ750	M.RESISTOR CH 1/16W 75	1	
R8183	ERJ3GEYJ752	M.RESISTOR CH 1/16W 7.5K	1	
R8184	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R8186	ERJ3GEYJ684	M.RESISTOR CH 1/16W 680K	1	
R8187	ERJ3GEYJ202	M.RESISTOR CH 1/16W 2K	1	
R8188	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R8189	ERJ3GEYJ202	M.RESISTOR CH 1/16W 2K	1	
R8190	ERJ3GEYJ181	M.RESISTOR CH 1/16W 180	1	
R8191	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R8192	ERJ3GEYJ912	M.RESISTOR CH 1/16W 9.1K	1	
R8193	ERJ3GEYJ560	M.RESISTOR CH 1/16W 56	1	
R8194,95	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R8196	ERJ3GEYJ512	M.RESISTOR CH 1/16W 5.1K	1	
R8197,98	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	2	
R8199	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R8201,02	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R8203	ERJ3GEYJ303	M.RESISTOR CH 1/16W 30K	1	
R8204	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R8206	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R8223,24	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	2	
R8225	ERJ3GEYJ202	M.RESISTOR CH 1/16W 2K	1	
R8227	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R8232	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R8233	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R8235	ERJ3GEYJ362	M.RESISTOR CH 1/16W 3.6K	1	
R8248	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R8249	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R8250	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R8251	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R8252	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R8253	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R8254	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R8255	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R8256	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R8259	ERJ3RBD511	M.RESISTOR CH 1/16W 510	1	
R8263	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R8264	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R8265	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R8266	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R8267	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R8268	ERJ3RBD911	M.RESISTOR CH 1/16W 90	1	
R8269	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R8270-73	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	4	
R8276	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R8277	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	1	
R8281	ERJ3GEYJ271	M.RESISTOR CH 1/16W 270	1	
R8291	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R8299	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R8301	ERJ3RBD201	M.RESISTOR CH 1/16W 200	1	
R8305	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	1	
R8307	ERJ3RBD271	M.RESISTOR CH 1/16W 270	1	
R8308	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R8309	D1H84734A008	COMBI.R-R	1	
R8313	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R8319	ERJ3GEYJ225	M.RESISTOR CH 1/16W 2.2M	1	
R8320	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R8321	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R8401	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R8402	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R8403	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R8406	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R8410	ERJ3GEYJ564	M.RESISTOR CH 1/16W 560K	1	
R8423	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R8427	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R8434,35	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R8438	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R8440	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R8442	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R8445	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R8446	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R8447	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R8448	ERJ3RBD362	M.RESISTOR CH 1/16W 3.6K	1	
R8449	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R8450	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R8451	L311J332G502	THERMO SENSING RESISTOR	1	D4B332500001
R8452	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R8453	ERJ3GEYJ303	M.RESISTOR CH 1/16W 30K	1	
R8454	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	1	
R8455	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R8456	ERJ3GEYJ303	M.RESISTOR CH 1/16W 30K	1	
R8457	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	1	
R8459	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R8460	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R8550-53	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R8605	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R8607-11	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	5	
R8650	ERJ3GEYJ181	M.RESISTOR CH 1/16W 180	1	
R8651	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R8652	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R8653	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1	
R8654	ERJ3GEYJ162	M.RESISTOR CH 1/16W 1.6K	1	
R8655	ERJ3GEYJ132	M.RESISTOR CH 1/16W 1.3K	1	
R8656	ERJ3GEYJ363	M.RESISTOR CH 1/16W 36K	1	
R8660	ERJ3RBD113	M.RESISTOR CH 1/16W 11K	1	
R8661	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R8662	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R8663,64	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R8700,01	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R8702	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R8703	EXB24V473J	COMBI.R-R 47K	1	
R8704	ERJ3RBD242	M.RESISTOR CH 1/16W 2.4K	1	
R8708	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R8709	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R8711	D1H84734A008	COMBI.R-R	1	
R8712	ERJ3GEYJ303	M.RESISTOR CH 1/16W 30K	1	
R8713	EXB24V101J	COMBI.R-R 100	1	
R8714,15	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R8716,17	EXB24V101J	COMBI.R-R 100	2	
R8718	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R8719	EXB24V101J	COMBI.R-R 100	1	
R8750-53	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	4	
R8755	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R8756	ERJ3RBD392	COMBI.R-R 3.9K	1	
R8757	ERJ3RBD223	COMBI.R-R 22K	1	
R8758	ERJ3RBD333	COMBI.R-R 33K	1	
R8759-61	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R8762	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R8763,64	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R8766	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1	
R8767	ERJ3RBD393	M.RESISTOR CH 1/16W 39K	1	
R8768	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R8769,70	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R8771	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R8772	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R8773	ERJ3RBD391	M.RESISTOR CH 1/16W 390	1	
R8774	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R8775,76	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	2	
R8777,78	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R8779	EXB24V473J	COMBI.R-R 47K	1	
R8784	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R8785	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R8786	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R8790	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R8800	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R8801-03	ERJ3RED750	M.RESISTOR CH 1/16W 75	3	
R8804-06	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	3	
R8807	ERJ3RBD113	M.RESISTOR CH 1/16W 11K	1	
R8808	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R8810	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R8811	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R8813	ERJ3RBD201	M.RESISTOR CH 1/16W 200	1	
R8814	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R8815	ERJ3GEYJ302	M.RESISTOR CH 1/16W 3K	1	
R8816	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R8817	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R8818	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R8819	ERJ3RBD201	M.RESISTOR CH 1/16W 200	1	
R8820	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R8821	ERJ3GEYJ302	M.RESISTOR CH 1/16W 3K	1	
R8822	ERJ3RBD201	M.RESISTOR CH 1/16W 200	1	
R8823	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R8824	ERJ3GEYJ302	M.RESISTOR CH 1/16W 3K	1	
R8825	ERJ3RBD243	M.RESISTOR CH 1/16W 24K	1	
R8826	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R8827	ERJ3RBD362	M.RESISTOR CH 1/16W 3.6K	1	
R8828	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R8829	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
RY4000,01	K6B2CDB00010	RELAY	2	
SW6300	VSS0367-04TB	SWITCH	1	
TG3001	EYF6CU	TEST POINT	1	
TG3701	EYF6CU	TEST POINT	1	
TG4201	EYF6CU	TEST POINT	1	
TG7001	EYF6CU	TEST POINT	1	
TP1	EYF6CU	TEST POINT	1	
TP3001-03	EYF6CU	TEST POINT	3	
TP3303-06	EYF6CU	TEST POINT	4	
TP3413-15	EYF6CU	TEST POINT	3	
TP3603	EYF6CU	TEST POINT	1	
TP3701	EYF6CU	TEST POINT	1	
TP4100,01	EYF6CU	TEST POINT	2	
TP4300-02	EYF6CU	TEST POINT	3	
TP6100	EYF6CU	TEST POINT	1	
TP7101	EYF6CU	TEST POINT	1	
TP7201	EYF6CU	TEST POINT	1	
TP7301	EYF6CU	TEST POINT	1	
TP8001	EYF6CU	TEST POINT	1	
VC6100	VCV0047	TRIMMER	1	
VR3001,02	EVM7JGA00B52	V.RESISTOR 500	2	
VR3003-05	EVM7JGA00B13	V.RESISTOR 1K	3	
VR3701	EVM7JGA00B52	V.RESISTOR 500	1	
VR4300	EVM7JGA00B14	V.RESISTOR 10K	1	
VR4301	EVM7JGA00B54	V.RESISTOR 50K	1	
VR4400,01	EVM7JGA00B14	V.RESISTOR 10K	2	
VR8283	EVM7JGA00B14	V.RESISTOR 10K	1	
X3401	VSX0847	CRYSTAL OSCILLATOR	1	H0J270500019
X6100	VSX0602	CRYSTAL OSCILLATOR	1	H0J327200050
X6500	H0J122500008	CRYSTAL OSCILLATOR	1	
X8001	H0J120500005	CRYSTAL OSCILLATOR	1	
X8002,03	H0J286500009	CRYSTAL OSCILLATOR	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
		MISCELLANEOUS		
	VMS6507	P.C.BOARD POST	2	K9ZZ00000592
	XYN26+K6	SCREW	4	
	C3FBEZ000002	MICRO COMPUTER	1	
■ E2	VEP82241C	RF & SERVO P.C.BOARD	1	(RTL)
■	VEP85200A	REC/HEAD AMP P.C.BOARD	1	(RTL)FOR VEP82241C
C1-C6	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	6	FOR VEP85200A
C7-C9	ECST1CC336Z	T.CAPACITOR CH 16V 33U	3	FOR VEP85200A
C10	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	FOR VEP85200A
C11,12	ECST1CX106Z	T.CAPACITOR CH 16V 10U	2	FOR VEP85200A
C13-18	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	6	FOR VEP85200A
C21-24	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	FOR VEP85200A
C26,27	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	FOR VEP85200A
C28,29	ECST1AC336Z	T.CAPACITOR CH 10V 33U	2	FOR VEP85200A
C30,31	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	FOR VEP85200A
C33	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	FOR VEP85200A
C100	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C101	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	FOR VEP85200A
C101	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C102	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	FOR VEP85200A
C102	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C103	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	FOR VEP85200A
C103	ECUX1H104KBV	C.CAPACITOR CH 50V 0.1U	1	
C104	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	FOR VEP85200A
C104	ECUX1H104KBV	C.CAPACITOR CH 50V 0.1U	1	
C105	ECUX1C334KBN	C.CAPACITOR CH 16V 0.33U	1	
C106	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	FOR VEP85200A
C106	ECUX1H104KBV	C.CAPACITOR CH 50V 0.1U	1	
C107,08	ECUX1H150JCV	C.CAPACITOR CH 50V 15P	2	
C110	ECUX1H104KBV	C.CAPACITOR CH 50V 0.1U	1	
C110	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	1	FOR VEP85200A
C111	ECUX1H104KBV	C.CAPACITOR CH 50V 0.1U	1	
C111	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	1	FOR VEP85200A
C112	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	FOR VEP85200A
C113	ECUX1H104KBV	C.CAPACITOR CH 50V 0.1U	1	
C114	ECUX1H270JCV	C.CAPACITOR CH 50V 27P	1	FOR VEP85200A
C115	ECUX1H080DCV	C.CAPACITOR CH 50V 8P	1	FOR VEP85200A
C115	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C116	ECUX1H080DCV	C.CAPACITOR CH 50V 8P	1	FOR VEP85200A
C116	ECUX1H104KBV	C.CAPACITOR CH 50V 0.1U	1	
C117,18	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C118	ECUX1H270JCV	C.CAPACITOR CH 50V 27P	1	FOR VEP85200A
C119	ECUX1H080DCV	C.CAPACITOR CH 50V 8P	1	FOR VEP85200A
C119	ECUX1H332KBV	C.CAPACITOR CH 50V 3300P	1	
C120	ECUX1H080DCV	C.CAPACITOR CH 50V 8P	1	FOR VEP85200A
C120	ECUX1H332KBV	C.CAPACITOR CH 50V 3300P	1	
C121	ECUX1H104KBV	C.CAPACITOR CH 50V 0.1U	1	
C122	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C125	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C126	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C127-29	ECUX1H104KBV	C.CAPACITOR CH 50V 0.1U	3	
C200,01	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C202	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	FOR VEP85200A
C203,04	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	2	
C205	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	1	
C206	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C206	F1J0J475A006	C.CAPACITOR CH6.3V 1U	1	FOR VEP85200A
C207	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	1	
C207	F1J0J475A006	C.CAPACITOR CH6.3V 1U	1	FOR VEP85200A
C208,09	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C210	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	
C211	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	FOR VEP85200A
C211	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C212	ECUX1H121JCV	C.CAPACITOR CH 50V 120P	1	FOR VEP85200A
C212	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C213	ECUX1H104KBV	C.CAPACITOR CH 50V 0.1U	1	
C213	ECUX1H121JCV	C.CAPACITOR CH 50V 120P	1	FOR VEP85200A

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C214,15	ECUX1C333KBV	C.CAPACITOR CH 16V 0.033U	2	
C215	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	FOR VEP85200A
C216	ECUX1H332KBV	C.CAPACITOR CH 50V 3300P	1	
C217	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	
C217	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	FOR VEP85200A
C218,02	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	FOR VEP85200A
C219	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C220	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	FOR VEP85200A
C220	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C221	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	FOR VEP85200A
C221	ECUX1H332KBV	C.CAPACITOR CH 50V 3300P	1	
C222	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	
C222	ECUX1H104KBV	C.CAPACITOR CH 50V 0.1U	1	FOR VEP85200A
C223	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	FOR VEP85200A
C223-25	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	3	
C226	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	FOR VEP85200A
C226	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C227	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	FOR VEP85200A
C227	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C228	ECUX1H104KBV	C.CAPACITOR CH 50V 0.1U	1	
C229	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	FOR VEP85200A
C229,30	ECUX1C333KBV	C.CAPACITOR CH 16V 0.033U	2	
C230	ECUX1H104KBV	C.CAPACITOR CH 50V 0.1U	1	FOR VEP85200A
C231	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	FOR VEP85200A
C231	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C232	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	FOR VEP85200A
C232	ECUX1H104KBV	C.CAPACITOR CH 50V 0.1U	1	
C233	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	FOR VEP85200A
C233	ECUX1H104KBV	C.CAPACITOR CH 50V 0.1U	1	
C234	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	FOR VEP85200A
C234-37	ECUX1H104KBV	C.CAPACITOR CH 50V 0.1U	4	
C238-40	EEVHB1E330P	E.CAPACITOR 25V 33U	3	
C242	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C300,01	EEVHB1H3R3	E.CAPACITOR 50V 3.3U	2	
C301	F1J0J475A006	C.CAPACITOR CH6.3V 1U	1	FOR VEP85200A
C302	ECUX1H104KBV	C.CAPACITOR CH 50V 0.1U	1	
C302	F1J0J475A006	C.CAPACITOR CH6.3V 1U	1	FOR VEP85200A
C303	ECUX1H104KBV	C.CAPACITOR CH 50V 0.1U	1	
C303	F1J0J475A006	C.CAPACITOR CH6.3V 1U	1	FOR VEP85200A
C304	ECUX1C333KBV	C.CAPACITOR CH 16V 0.033U	1	
C304	F1J0J475A006	C.CAPACITOR CH6.3V 1U	1	FOR VEP85200A
C305	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	
C305	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	FOR VEP85200A
C306	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	FOR VEP85200A
C306	ECUX1C333KBV	C.CAPACITOR CH 16V 0.033U	1	
C307	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	
C307	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	FOR VEP85200A
C308	ECUX1H104KBV	C.CAPACITOR CH 50V 0.1U	1	FOR VEP85200A
C308	EEVHB1E4R7	E.CAPACITOR 25V 4.7U	1	
C309	ECUX1H104KBV	C.CAPACITOR CH 50V 0.1U	1	FOR VEP85200A
C309	EEVHB1E4R7	E.CAPACITOR 25V 4.7U	1	
C310	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	FOR VEP85200A
C310,11	ECUX1H104KBV	C.CAPACITOR CH 50V 0.1U	2	
C311	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	FOR VEP85200A
C312	ECUX1H104KBV	C.CAPACITOR CH 50V 0.1U	1	
C312	ECUX1H681JCV	C.CAPACITOR CH 50V 680P	1	FOR VEP85200A
C313	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	FOR VEP85200A
C313	ECUX1H104KBV	C.CAPACITOR CH 50V 0.1U	1	
C314	ECUX1C333KBV	C.CAPACITOR CH 16V 0.033U	1	
C314	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	FOR VEP85200A
C315	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	
C316	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	FOR VEP85200A
C316	EEVHB1E4R7	E.CAPACITOR 25V 4.7U	1	
C317	ECUX1C333KBV	C.CAPACITOR CH 16V 0.033U	1	
C317	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	FOR VEP85200A
C318	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	
C318	ECUX1H104KBV	C.CAPACITOR CH 50V 0.1U	1	FOR VEP85200A
C319	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	FOR VEP85200A
C319-21	EEVHB1E4R7	E.CAPACITOR 25V 4.7U	3	
C322-24	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	3	
C324	ECUX1H104KBV	C.CAPACITOR CH 50V 0.1U	1	FOR VEP85200A
C325,26	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C327	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	FOR VEP85200A
C327	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C328	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	FOR VEP85200A

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C328,29	ECUX1H104KBV	C.CAPACITOR CH 50V 0.1U	2	
C330,31	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	2	
C400,01	EEVHB1H3R3	E.CAPACITOR 50V 3.3U	2	
C402-05	F1K0J1060002	C.CAPACITOR CH6.3V 10U	4	
C406-09	ECUX1H102JV	C.CAPACITOR CH 50V 1000P	4	
C410	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C411	EEVHB1H3R3	E.CAPACITOR 50V 3.3U	1	
C412	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C413-16	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	4	
C417	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C418-20	ECUX1H104KBV	C.CAPACITOR CH 50V 0.1U	3	
C421	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C422	EEVHB1H3R3	E.CAPACITOR 50V 3.3U	1	
C423	EEVHB1E330P	E.CAPACITOR 25V 33U	1	
C424	ECUX1H104KBV	C.CAPACITOR CH 50V 0.1U	1	
C425,26	EEVHB0J330	E.CAPACITOR 6.3V 33U	2	
C600	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C602	EEVHB1E330P	E.CAPACITOR 25V 33U	1	
C603-05	ECUX1H104KBV	C.CAPACITOR CH 50V 0.1U	3	
C606	EEUFC1E101S	E.CAPACITOR 25V 100P	1	
C700	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	
C702-16	ECUX1H104KBV	C.CAPACITOR CH 50V 0.1U	15	
C800-03	VCE0180	E.CAPACITOR	4	F2G1E1010003
C804	ECUX1H104KBV	C.CAPACITOR CH 50V 0.1U	1	
C805-08	VCE0180	E.CAPACITOR	4	F2G1E1010003
C809	VCC0037F432	C.CAPACITOR 432P	1	
C810	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C811	ECUX1H104KBV	C.CAPACITOR CH 50V 0.1U	1	
C812	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C813	ECUX1H104KBV	C.CAPACITOR CH 50V 0.1U	1	
C814	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	
C900,01	ECUX1H104KBV	C.CAPACITOR CH 50V 0.1U	2	
C902,03	ECA12HG472L	E.CAPACITOR 4700U	2	
C950	ECUX1H122KBV	C.CAPACITOR CH 50V 1200P	1	
C951	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C952	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C953	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C954	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	
C955,56	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C957	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C958	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C959,60	EEVHB1C220	E.CAPACITOR 16V 22U	2	
D100,01	MA142K-G	DIODE	2	FOR VEP85200A
D200	MA142WK-G	DIODE	1	
D201	MA143-G	DIODE	1	
D201	MA3S132E0L	DIODE	1	FOR VEP85200A
D202	MA142WK-G	DIODE	1	
D202	MA3S132E0L	DIODE	1	FOR VEP85200A
D203	MA143-G	DIODE	1	
D204	MA3S132E0L	DIODE	1	FOR VEP85200A
D300,01	MA142WK-G	DIODE	2	
D400-03	MA143-G	DIODE	4	
D404,05	MA2Q73600L	DIODE	2	
D600-02	MA142WK-G	DIODE	3	
D603	MA143-G	DIODE	1	
D604	MA3056-M	DIODE	1	MAZ30560ML
D605	MA3051-M	DIODE	1	MAZ30510ML
D606	MA2Q73800L	DIODE	1	
D607	MA142WK-G	DIODE	1	
D700-02	MA142WK-G	DIODE	3	
D703,04	MAZ80470HL	DIODE	2	
D705	MAZ80620HL	DIODE	1	
D706,07	MAZ30430ML	DIODE	2	
D708	MA3051-M	DIODE	1	MAZ30510ML
D709-20	EC15QS04	DIODE	12	
D800-03	MA2J72800L	DIODE	4	
D804-07	MA2Q73600L	DIODE	4	
D900	MA8051-H	DIODE	1	MAZ80510HL
D901	NSQ03A04	DIODE	1	B0JCPE000013
D950	MA143-G	DIODE	1	
D951,52	MA147-G	DIODE	2	
FL1,L2	J0HAAC000013	FILTER	2	FOR VEP85200A

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC1	XC62FP3002P	IC	1	FOR VEP85200A
IC2	C0CBADD00003	IC	1	FOR VEP85200A
IC3	C0CBBDB00004	IC	1	FOR VEP85200A
IC5	TLCX86FT	IC	1	FOR VEP85200A
IC6	C0JBAF000224	IC	1	FOR VEP85200A
IC9	C0JBAZ000851	IC	1	FOR VEP85200A
IC100	C0JBAZ000608	IC	1	
IC101	C0CBABD00005	IC	1	
IC101	S80715ANDC	IC	1	FOR VEP85200A
IC102	C0JBAB000180	IC	1	FOR VEP85200A
IC102	C0JBAF000184	IC	1	
IC103	C0JBAA000117	VHC	1	FOR VEP85200A
IC103	C0JBAF000184	IC	1	
IC104	TC7SH14FU	IC	1	FOR VEP85200A
IC104	TVHC86FT	IC	1	
IC105	S80829ANUP	IC	1	
IC106	C0JBAZ000529	IC	1	
IC107	MN1030F04K	IC	1	
IC200	C0CBADD00003	IC	1	
IC201	C0BBBA000030	IC	1	
IC201	TC7SH04FU	IC	1	FOR VEP85200A
IC202	C0ABCA000038	IC	1	
IC202	C0JBAA000117	VHC	1	
IC203	C0ABCA000038	IC	1	
IC204	AN3890FBS	IC	1	
IC204	TC7W32FU	IC	1	
IC205	C0ABEB000035	IC	1	FOR VEP85200A
IC205	C0BBCA000021	IC	1	
IC206	C0JBAZ000608	IC	1	
IC206	T4069UBFT	IC	1	FOR VEP85200A
IC207	AN3890FBS	IC	1	
IC208,09	B1HFPCE00001	IC	2	
IC300	C0ABCA000038	IC	1	
IC301	AN3841SR	IC	1	
IC301	C0JBAB000200	IC	1	FOR VEP85200A
IC302	AN3732FHQ	IC	1	FOR VEP85200A
IC302	AN3841SR	IC	1	
IC400	C0ABCA000038	IC	1	
IC401	UPC4558G2	IC	1	C0ABBB000131
IC402	C0ABCA000038	IC	1	
IC403	C0BBCA000021	IC	1	
IC404	UPC4558G2	IC	1	C0ABBB000131
IC602	C0GBM0000003	IC	1	
IC700	TC4538BF	IC	1	
IC701-03	C0GBM0000003	IC	3	
IC800	TL1451CNS	IC	1	C0DBAMA00001
IC900	C0ABBA000071	IC	1	
IC950	C0ABBB000130	IC	1	
ID107	VVVSI3695	SOFTWARE	1	
J1	VJR1094	TERMINAL	1	
J501,02	VJR1094	TERMINAL	2	
L1	VLQ0319K220	COIL 22UH	1	FOR VEP85200A
L2,L3	VLQ0319K101	COIL 100UH	2	FOR VEP85200A
L101-04	VLQ0426J2R2	COIL 2.2UH	4	FOR VEP85200A
L201,02	VLQ0163J330	COIL 33UH	2	FOR VEP85200A
L301	VLQ0319K330	COIL 33UH	1	FOR VEP85200A
L302	VLQ0319K100	COIL 10UH	1	FOR VEP85200A
L600	VLQ0319K101	COIL 100UH	1	G1C101K00022
L800-03	VLQ0650M151	COIL 150UH	4	G1C151MA0016
L950	VLQ0319K101	COIL 100UH	1	G1C101K00022
P1	VJS3899D013	CONNECTOR (FEMALE)	1	FOR VEP85200A
P2	VJS3826C024	CONNECTOR (FEMALE)	1	FOR VEP85200A
P500	VJP3172D003	CONNECTOR (MALE)	1	K1KA03B00006
P501	VJP3172D002	CONNECTOR (MALE)	1	K1KA02B00051
P502	VJP3172D004	CONNECTOR (MALE)	1	K1KA04B00007
P503	VJP3172D002	CONNECTOR (MALE)	1	K1KA02B00051
P504	VJP3172D003	CONNECTOR (MALE)	1	K1KA03B00006
P505	K1KA02B00075	CONNECTOR (MALE)	1	
P506	VJP3172D003	CONNECTOR (MALE)	1	K1KA03B00006
P507	K1MN10B00052	CONNECTOR (FEMALE)	1	
P508	K1KA02B00075	CONNECTOR (MALE)	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
P509	VJP3172D002	CONNECTOR (MALE)	1	K1KA02B00051
P510	K1KA03B00102	CONNECTOR (MALE)	1	
P511	K1KA02B00075	CONNECTOR (MALE)	1	
P512	VJP3172D004	CONNECTOR (MALE)	1	K1KA04B00007
P513	K1MN15B00033	CONNECTOR (FEMALE)	1	
P514,15	VJS3813C017	CONNECTOR (FEMALE)	2	K1MN17B00012
P516	K1MN19B00007	CONNECTOR (FEMALE)	1	
P517	VJP1235T	CONNECTOR (MALE) 8P	1	
P518	VJP3125B002	CONNECTOR (MALE)	1	K1KA02B00111
P520	K1MN20A00036	CONNECTOR (FEMALE)	1	
P521	VJS3801D040	CONNECTOR (FEMALE)	1	K1MN40B00010
P522	VJS3801D024	CONNECTOR (FEMALE)	1	
Q2	2SB1114T2ZKL	TRANSISTOR	1	FOR VEP85200A
Q3	2SD1280-ST	TRANSISTOR	1	FOR VEP85200A
Q4	2SB1218ALL	TRANSISTOR	1	FOR VEP85200A
Q101,02	2SB0709ALL	TRANSISTOR	2	FOR VEP85200A
Q103-06	2SC3735B35	TRANSISTOR	4	FOR VEP85200A
Q200	2SD1819ALL	TRANSISTOR	1	
Q201	2SA15320XL	TRANSISTOR	1	FOR VEP85200A
Q201	2SD1819ALL	TRANSISTOR	1	
Q202	2SA15320XL	TRANSISTOR	1	FOR VEP85200A
Q202	2SD1819ALL	TRANSISTOR	1	
Q203	2SC3930	TRANSISTOR	1	FOR VEP85200A
Q203	2SD1819ALL	TRANSISTOR	1	
Q204	2SC3930	TRANSISTOR	1	FOR VEP85200A
Q205	2SA15320XL	TRANSISTOR	1	FOR VEP85200A
Q206	2SC2954	TRANSISTOR	1	FOR VEP85200A
Q207	2SA15320XL	TRANSISTOR	1	FOR VEP85200A
Q208,09	XN0150400L	TRANSISTOR	2	FOR VEP85200A
Q211	2SC2954	TRANSISTOR	1	FOR VEP85200A
Q212,13	XN0150400L	TRANSISTOR	2	FOR VEP85200A
Q216	2SC2954	TRANSISTOR	1	FOR VEP85200A
Q303,04	2SC3930	TRANSISTOR	2	FOR VEP85200A
Q308,09	2SC3930	TRANSISTOR	2	FOR VEP85200A
Q400	2SB1219ALL	TRANSISTOR	1	
Q600	2SD1819ALL	TRANSISTOR	1	
Q601	2SD1624-S	TRANSISTOR	1	
Q602	2SB10730LL	TRANSISTOR	1	
Q603	2SD1819ALL	TRANSISTOR	1	
Q700-02	2SD06010RL	TRANSISTOR	3	
Q703-05	2SB10730LL	TRANSISTOR	3	
Q800-03	2SB10730LL	TRANSISTOR	4	
Q900	2SB936A-P	TRANSISTOR	1	2SB0936APL
Q901	2SD1819ALL	TRANSISTOR	1	
Q950	2SD0601ARL	TRANSISTOR	1	
Q951,52	2SB0709ARL	TRANSISTOR	2	
Q953	2SD0601ARL	TRANSISTOR	1	
Q954	2SB0709ARL	TRANSISTOR	1	
Q955	2SD0601ARL	TRANSISTOR	1	
QR2,R3	UNR521300L	TRANSISTOR	2	FOR VEP85200A
QR100-02	UNR521300L	TRANSISTOR-RESISTOR	3	FOR VEP85200A
QR200,01	UNR521300L	TRANSISTOR-RESISTOR	2	
QR600	UNR521400L	TRANSISTOR-RESISTOR	1	
QR601	UNR511400L	TRANSISTOR-RESISTOR	1	
QR602	UNR521400L	TRANSISTOR-RESISTOR	1	
QR603	UNR511400L	TRANSISTOR-RESISTOR	1	
QR604,05	UNR521400L	TRANSISTOR-RESISTOR	2	
QR700	UNR521300L	TRANSISTOR-RESISTOR	1	
QR701-06	UNR521400L	TRANSISTOR-RESISTOR	6	
QR707-12	UNR511400L	TRANSISTOR-RESISTOR	6	
QR713-18	UNR521300L	TRANSISTOR-RESISTOR	6	
QR719-21	UNR521400L	TRANSISTOR-RESISTOR	3	
QR950,51	UNR521300L	TRANSISTOR-RESISTOR	2	
QR952	UNR511300L	TRANSISTOR-RESISTOR	1	
QR953	UN5215	TRANSISTOR-RESISTOR	1	
QR954	UNR511500L	TRANSISTOR-RESISTOR	1	
R1,R2	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	FOR VEP85200A
R3	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	FOR VEP85200A
R5,R6	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	FOR VEP85200A
R8	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	FOR VEP85200A
R9	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	FOR VEP85200A
R10	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	FOR VEP85200A

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R12	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP85200A
R13	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	FOR VEP85200A
R16,17	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	FOR VEP85200A
R19	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP85200A
R21	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	FOR VEP85200A
R23	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	FOR VEP85200A
R24	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP85200A
R26	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP85200A
R28	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP85200A
R29	ERJ3GEYJ820	M.RESISTOR CH 1/16W 82	1	FOR VEP85200A
R30-32	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	FOR VEP85200A
R34-37	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	FOR VEP85200A
R39	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP85200A
R40	ERJ6GEYJ000	M.RESISTOR 1/10W 0	1	
R100	D1H810140001	COMBI.R-R	1	
R101	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	FOR VEP85200A
R101	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R102	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	FOR VEP85200A
R102	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R103	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	FOR VEP85200A
R103	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R104	D1H810140001	COMBI.R-R	1	
R104	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	FOR VEP85200A
R105	D1H810140001	COMBI.R-R	1	
R105	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	FOR VEP85200A
R106	D1H810140001	COMBI.R-R	1	
R106	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	FOR VEP85200A
R107	D1H810140001	COMBI.R-R	1	
R107	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	FOR VEP85200A
R108	D1H84734A008	COMBI.R-R	1	
R108	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	FOR VEP85200A
R109	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R109	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	FOR VEP85200A
R110	ERJ3GEYJ271	M.RESISTOR CH 1/16W 270	1	
R110	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	FOR VEP85200A
R111,12	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	FOR VEP85200A
R113	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R113	ERJ6GEYJ5R6	M.RESISTOR CH 1/10W 5.6	1	FOR VEP85200A
R114	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R114	ERJ6GEYJ5R6	M.RESISTOR CH 1/10W 5.6	1	FOR VEP85200A
R115	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R115	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	FOR VEP85200A
R116	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	FOR VEP85200A
R117	ERJ3GEYJ120	M.RESISTOR CH 1/16W 12	1	
R117	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	FOR VEP85200A
R118	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	FOR VEP85200A
R118	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R119	D1H810140001	COMBI.R-R	1	
R120	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R121	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R121	ERJ6GEYG270	M.RESISTOR CH 1/10W 27	1	FOR VEP85200A
R122	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R122	ERJ6GEYG270	M.RESISTOR CH 1/10W 27	1	FOR VEP85200A
R123,24	D1H84734A008	COMBI.R-R	2	
R125	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R125	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	FOR VEP85200A
R126	D1H84734A008	COMBI.R-R	1	
R126	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	FOR VEP85200A
R127	D1H810140001	COMBI.R-R	1	
R127	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	FOR VEP85200A
R128	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	FOR VEP85200A
R128	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R129	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R130,31	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	2	
R132	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R133	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R134	D1H84734A008	COMBI.R-R	1	
R135	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R136	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R137	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R138	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R139	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R140	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R142	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R143	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R200	ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	1	
R201	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R202	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R203	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1	
R204	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R204	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	FOR VEP85200A
R205	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R205	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	FOR VEP85200A
R206	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R207	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R208	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R209	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R210	ERJ6RBD333	M.RESISTOR CH 1/10W 33K	1	
R211	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R212	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R213	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R214	ERJ6RBD153	M.RESISTOR CH 1/10W 15K	1	
R215	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R216	ERJ3GEYJ564	M.RESISTOR CH 1/16W 560K	1	
R217	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	FOR VEP85200A
R217	ERJ3GEYJ334	M.RESISTOR CH 1/16W 330K	1	
R218	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R219	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R219	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	FOR VEP85200A
R220	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R220	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	FOR VEP85200A
R221	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R221	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	FOR VEP85200A
R222	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP85200A
R222	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R223	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP85200A
R223	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R224	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP85200A
R224	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R225	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	FOR VEP85200A
R225	ERJ8GEYJ681	M.RESISTOR CH 1/8W 680	1	
R226	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R226	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	FOR VEP85200A
R227	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R228	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP85200A
R228	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R229	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	FOR VEP85200A
R229	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R230	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R230	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	FOR VEP85200A
R231	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R232	ERJ8GEYJ1R0	M.RESISTOR CH 1/8W 1	1	
R233	ERJ8GEYJ1R2	M.RESISTOR CH 1/8W 1.2	1	
R234	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	FOR VEP85200A
R234,35	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R235	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	FOR VEP85200A
R236	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R236	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	FOR VEP85200A
R237	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R238	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R239	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R240	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	FOR VEP85200A
R240	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R241	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R241	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	FOR VEP85200A
R242	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	FOR VEP85200A
R242	ERJ3GEYJ184	M.RESISTOR CH 1/16W 180K	1	
R243	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R243	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	FOR VEP85200A
R244	ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	1	
R244	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	FOR VEP85200A
R245	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R245	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	FOR VEP85200A
R246	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R247	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	FOR VEP85200A
R247	ERJ6RBD333	M.RESISTOR CH 1/10W 33K	1	
R248	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R248	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	FOR VEP85200A
R249	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R249	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	FOR VEP85200A

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R250	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R250	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	FOR VEP85200A
R251	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	FOR VEP85200A
R251	ERJ6RBD153	M.RESISTOR CH 1/10W 15K	1	
R252,53	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R254	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	FOR VEP85200A
R254	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1	
R255	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R257	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	FOR VEP85200A
R257	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R258	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R259	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	FOR VEP85200A
R259	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R260	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	FOR VEP85200A
R260	ERJ8GEYJ681	M.RESISTOR CH 1/8W 680	1	
R261	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R262	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R263	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R264	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R264	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	FOR VEP85200A
R265	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R266	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	FOR VEP85200A
R266	ERJ8GEYJ1R0	M.RESISTOR CH 1/8W 1	1	
R267	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	FOR VEP85200A
R267	ERJ8GEYJ1R2	M.RESISTOR CH 1/8W 1.2	1	
R268	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R268	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	FOR VEP85200A
R269	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	FOR VEP85200A
R269	ERJ3GEYJ184	M.RESISTOR CH 1/16W 180K	1	
R270	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R270	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	FOR VEP85200A
R271	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R271	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	FOR VEP85200A
R272,73	ERJ3GEYJ271	M.RESISTOR CH 1/16W 270	2	
R274	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	FOR VEP85200A
R274	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R275	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R275	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	FOR VEP85200A
R276	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R277	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	FOR VEP85200A
R279	ERJ3RBD471	M.RESISTOR CH 1/16W 470	1	FOR VEP85200A
R280	ERJ12YJ270	M.RESISTOR CH 1/2W 27	1	FOR VEP85200A
R284	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	FOR VEP85200A
R286,87	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	FOR VEP85200A
R300	ERJ6RBD333	M.RESISTOR CH 1/10W 33K	1	
R301	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R301	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	FOR VEP85200A
R302	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	FOR VEP85200A
R302	ERJ6RBD333	M.RESISTOR CH 1/10W 33K	1	
R303	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R304	ERJ6RBD223	M.RESISTOR CH 1/16W 22K	1	
R305,06	ERJ6RBD153	M.RESISTOR CH 1/16W 15K	2	
R307	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	FOR VEP85200A
R307	ERJ6RBD223	M.RESISTOR CH 1/16W 22K	1	
R308	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R308	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	FOR VEP85200A
R309	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R309	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	FOR VEP85200A
R310	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R310	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	FOR VEP85200A
R311,12	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	FOR VEP85200A
R313	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP85200A
R313	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R314	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	FOR VEP85200A
R314	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R315	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP85200A
R315	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R316	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	FOR VEP85200A
R316	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R317	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP85200A
R317	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R318	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R318	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	FOR VEP85200A
R319	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP85200A
R319	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R320	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	FOR VEP85200A
R320	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R321	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	FOR VEP85200A
R322	ERJ8GEYJ1R0	M.RESISTOR CH 1/8W 1	1	
R323	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP85200A
R323,24	ERJ8GEYJ1R0	M.RESISTOR CH 1/8W 1	2	
R325	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP85200A
R325	ERJ8GEYJ1R0	M.RESISTOR CH 1/8W 1	1	
R326	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	FOR VEP85200A
R326,27	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R328	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	FOR VEP85200A
R328-30	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	3	
R330	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	FOR VEP85200A
R331	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R332	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R332	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	FOR VEP85200A
R333	ERJ3GEYJ271	M.RESISTOR CH 1/16W 270	1	
R334	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R335	ERJ3GEYJ271	M.RESISTOR CH 1/16W 270	1	
R337	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	FOR VEP85200A
R339	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	FOR VEP85200A
R342	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	FOR VEP85200A
R345	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	FOR VEP85200A
R346	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	FOR VEP85200A
R347	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	FOR VEP85200A
R348	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	FOR VEP85200A
R400-03	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	4	
R404,05	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R406,07	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R408-11	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	4	
R412-16	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	5	
R417	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R418	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R419-22	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	4	
R424-27	ERJ3GEYJ184	M.RESISTOR CH 1/16W 180K	4	
R428	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R429-32	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	4	
R433	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R434	ERJ6RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R435	ERJ6RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R436	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R437	ERJ3RBD821	M.RESISTOR CH 1/16W 820	1	
R438	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R439	ERJ3GEYJ391	M.RESISTOR CH 1/16W 390	1	
R501	D1H84734A008	COMBI.R-R	1	
R502	D1H810140001	COMBI.R-R	1	
R600	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R601	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R602	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R603	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1	
R604	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R605	ERJ6GEYG271	M.RESISTOR CH 1/10W 270	1	
R606	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R608	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R611	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R613	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R614,15	ERJ8GEYJ101	M.RESISTOR CH 1/8W 100	2	
R617	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R619	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R621	ERJ8GEYJ300	M.RESISTOR CH 1/8W 30	1	
R622-25	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	4	
R626,27	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R628,29	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R630	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R631	ERJ8GEYJ471	M.RESISTOR CH 1/8W 470	1	
R632	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R633	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R634	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R635	EXBV8V102J	COMBI.R-R 2K	1	D1H810240001
R636	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R700	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R701	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1	
R702-04	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	3	
R705-07	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	3	
R708-10	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	3	

Components identified with the mark ⚠ have the special characteristics for safety.
When replacing any of these components, use only the same type.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R711-13	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	
R800	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R801,02	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	2	
R803-05	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R806,07	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	2	
R808,09	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R810	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R811	ERJ8GEYJ681	M.RESISTOR CH 1/8W 680	1	
R812,13	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R814	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R815	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R816	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R817	ERJ6GEYG154	M.RESISTOR CH 1/10W 150K	1	
R818	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R819	ERJ3GEYJ474	M.RESISTOR CH 1/16W 470K	1	
R820	ERJ6RBD183	M.RESISTOR CH 1/10W 18K	1	
R821	ERJ8GEYJ681	M.RESISTOR CH 1/8W 680	1	
R822	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R823	ERJ3GEYJ474	M.RESISTOR CH 1/16W 470K	1	
⚠ R824-27	K5H1623A0001	FUSE	4	
R900,01	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	2	
R902	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R903	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R904-06	ERJ6GEYG681	M.RESISTOR CH 1/10W 680	3	
R950	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R951,52	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R953	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R954	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R955	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R956-58	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R959	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R960,61	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R962	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R963	ERJ3GEYJ334	M.RESISTOR CH 1/16W 330K	1	
R964,65	ERJ3RBD471	M.RESISTOR CH 1/16W 470	2	
R966	ERJ3GEYJ271	M.RESISTOR CH 1/16W 270	1	
R967	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R968	ERJ3GEYJ560	M.RESISTOR CH 1/16W 56	1	
R969,70	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R971	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
TG1	EYF6CU	TEST POINT	1	FOR VEP85200A
TP1	EYF6CU	TEST POINT	1	
TP101,02	EYF6CU	TEST POINT	2	FOR VEP85200A
TP201,02	EYF6CU	TEST POINT	2	FOR VEP85200A
TP300,01	EYF6CU	TEST POINT	2	
TP302	EYF6CU	TEST POINT	1	
TP400	EYF6CU	TEST POINT	1	
TP500-03	EYF6CU	TEST POINT	4	
TP600,01	EYF6CU	TEST POINT	2	
TP950	EYF6CU	TEST POINT	1	
VR300,01	EVM7JGA00B24	V.RESISTOR 20K	2	
VR400	EVM7JGA00B24	V.RESISTOR 20K	1	
VR401	EVM7JGA00B54	V.RESISTOR 50K	1	
VR600,01	VRV0303B203A	V.RESISTOR 20K	2	D3EC3203A002
X100	VSX0918	CRYSTAL OSCILLATOR	1	H0J250500005
		MISCELLANEOUS		
	VMS7076	SPACER	2	
	XYN26+K6	SCREW	2	
	VSC5304	RF SHIELD PLATE	1	FOR VEP85200A
■ E3	VEP83579A	VTR SUB P.C.BOARD	1	(RTL)
C1,C2	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C101	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C102	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C103	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C104	F1J0J475A006	C.CAPACITOR CH6.3V 1U	1	
C105	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C106	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C107-10	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C111-13	F1J0J475A006	C.CAPACITOR CH6.3V 1U	3	
C114,15	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C116-19	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C120-25	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	6	
C126,27	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C128-31	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C132-34	ECUX1A105KBV	C.CAPACITOR CH 10V 1U	3	
C135	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C136	ECUX1A105KBV	C.CAPACITOR CH 10V 1U	1	
C137	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C138	ECUX1A105KBV	C.CAPACITOR CH 10V 1U	1	
C139,40	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	2	
C141	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C206-08	F1J0J475A006	C.CAPACITOR CH6.3V 1U	3	
C209,10	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C211,12	F1J0J475A006	C.CAPACITOR CH6.3V 1U	2	
C213	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C214-17	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C218	F1J0J475A006	C.CAPACITOR CH6.3V 1U	1	
C219	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C220	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C221	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C222	F1J0J475A006	C.CAPACITOR CH6.3V 1U	1	
C223,24	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C225	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C227	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C230	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C231	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C412-14	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C415	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C416	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C501-03	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C504	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C505	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C506,07	ECST1CX106Z	T.CAPACITOR CH 16V 10U	2	
C508,09	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C510	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C511	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C512	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C513-16	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C517	ECUX1H561JCV	C.CAPACITOR CH 50V 560P	1	
C518	ECUX1H821JCV	C.CAPACITOR CH 50V 820P	1	
C519	ECUX1H120JCV	C.CAPACITOR CH 50V 12P	1	
C520	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C521,22	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C524	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C525,26	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	2	
C602	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C604	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C605	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C612	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
D501,02	MA3X15700L	DIODE	2	
IC1	C0JBAB000175	IC	1	
IC101,02	XC62FP3002P	IC	2	
IC103	C1ZBZ0001435	IC	1	
IC104	BH7086KV	IC	1	C1ZBZ0001649
IC105	C0JBAZ001605	IC	1	
IC203	MN2MD00006F	IC	1	
IC204	TC4W53FU	IC	1	C0JBAR000113
IC402	C0ZBZ0000363	IC	1	
IC403	C0CBADD00003	IC	1	
IC501	TA75W558FU	IC	1	C0ABBA000042
IC502	C0BBBB000006	IC	1	
IC503	C0ABBB000032	IC	1	
IC504	C0CBADD00003	IC	1	
IC506	XC62FP3002P	IC	1	
IC507	C0JBAZ001605	IC	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC508	C0JBAA000002	IC	1	
IC603	C0CBABC00060	IC	1	
IC604	C0JBAZ000851	IC	1	
L101-05	J0JBC0000019	FILTER	5	
L106,07	VLQ0319K101	COIL 100UH	2	G1C101K00022
L108	VLQ0426J100	COIL 10UH	1	G1C100J00008
L201-06	J0JBC0000019	FILTER	6	
L402	J0JCC0000119	FILTER	1	
L501	VLQ0319K101	COIL 100UH	1	G1C101K00022
L601,02	J0JBC0000019	FILTER	2	
P1	VJS3978C120A	CONNECTOR (FEMALE)	1	
P501	VJP3125B009	CONNECTOR (MALE)	1	K1KA09B00055
Q101,02	2SD1819ALL	TRANSISTOR	2	
R1	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R2	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R102	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R105	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R106	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R108,09	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	2	
R110	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R112	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R113	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R115	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R116	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R117	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R118	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R119	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R120	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R121,22	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R123,24	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R128	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R135	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R137	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R138,39	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R140	ERJ3RBD682	M.RESISTOR CH 1/16W 10K	1	
R141	ERJ3RBD121	M.RESISTOR CH 1/16W 120	1	
R142	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R144	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R147	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R149-52	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R156-59	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R202	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R203,04	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
R205	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R206	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R207,08	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	2	
R209,10	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	2	
R213	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R216	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R218	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R220,21	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R222	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R224	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R225	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R229	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R231-33	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R235	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R305	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R327,28	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R408-10	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R411	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R501	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R503	ERJ3RED824	M.RESISTOR CH 1/16W 820K	1	
R504	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R505	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R506	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R507	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R508	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R509	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R510	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R511,12	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	2	
R513	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R514	ERJ3RED334	M.RESISTOR CH 1/16W 330K	1	
R515	ERJ3RBD471	M.RESISTOR CH 1/16W 470	1	
R516	ERJ3RBD683	M.RESISTOR CH 1/16W 68K	1	
R517	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R518	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R520	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	1	
R521	ERJ3RBD471	M.RESISTOR CH 1/16W 470	1	
R522	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R523	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R524	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R525	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R527	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R528	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R529	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R530	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R531	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R532	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R533,34	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R535	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R536	ERJ6RED470	M.RESISTOR CH 1/10W 47	1	
R538-42	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	5	
R608	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R617	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R627	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
TG101,02	EYF6CU	TEST POINT	2	
■ E4	VEP80C03A	VTR S/S P.C.BOARD	1	(RTL)
P11	VJP1230T	CONNECTOR (MALE) 3P	1	
SW11	EVQQS205K	SWITCH	1	
■ E5	WE600PKF1C	DRIVE P.C.BOARD	1	(RTL)
C0001	F3H1A2260003	T.CAPACITOR CH 10V 22U	1	
C0002	F3F1A1060001	T.CAPACITOR CH 10V 10U	1	
C0003-08	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	6	F1H1E104A016
C0010,11	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	2	F1H1E104A016
C0012	SK31V225MRB	T.CAPACITOR CH 35V 2.2U	1	F3G1V2250001
C0013	F3F1A1060001	T.CAPACITOR CH 10V 10U	1	
C0014	F3G1C1060002	T.CAPACITOR CH 16V 10U	1	
C0015	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	1	F1H1E104A016
C0017	SK41C336MC	T.CAPACITOR CH 16V 33U	1	
C0018,19	F3H1A1070003	T.CAPACITOR CH 10V 100U	2	
C0020-23	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	4	F1H1E104A016
C0026	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	1	F1H1E104A016
C0027	F1H1H180A231	C.CAPACITOR CH 50V 18P	1	
C0029	F3H1E1060005	T.CAPACITOR CH 25V 10U	1	
C0030	SK41C336MC	T.CAPACITOR CH 16V 33U	1	
C0031	YGM1B103K1HT	C.CAPACITOR 12.5V 0.01U	1	F1H1H103A190
C0032	F1H1H102A190	C.CAPACITOR CH 50V 1000P	1	
C0033-35	YGM2F104Z1HT	C.CAPACITOR CH 50V 0.1U	3	F1J1H104A428
C0042	F3H1V6850002	T.CAPACITOR CH 35V 6.8U	1	
C0043	F3F1A1060001	T.CAPACITOR CH 10V 10U	1	
C0044	F3H1V6850002	T.CAPACITOR CH 35V 6.8U	1	
C0046	SK41C336MC	T.CAPACITOR CH 16V 33U	1	
C0047	F3F1A1060001	T.CAPACITOR CH 10V 10U	1	
C0048	SK41C336MC	T.CAPACITOR CH 16V 33U	1	
C0051,52	YGM1F105Z1AT	C.CAPACITOR 31.5V 1U	2	
C0053	F3H1A1070003	T.CAPACITOR CH 10V 100U	1	
C0054,55	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	2	F1H1E104A016

Components identified with the mark ⚠ have the special characteristics for safety.
When replacing any of these components, use only the same type.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
D0005	MA159	DIODE	1	MA4X15900L
J0001	K1MM21B00003	CONNECTOR	1	
J0002	K1MZ30B00002	CONNECTOR	1	
Q0004	2SC4176	TRANSISTOR	1	B1ABDB000014
Q0005	B1ADBB000010	TRANSISTOR	1	
Q0009	2SB1218AHL	TRANSISTOR	1	
Q0010,11	2SD1819A-R	TRANSISTOR	2	2SD1819AHL
Q0012	2SB1218AHL	TRANSISTOR	1	
Q0013	2SB09700HL	TRANSISTOR	1	
Q0014	2SD1819A-R	TRANSISTOR	1	2SD1819AHL
Q0015	2SD13280HL	TRANSISTOR	1	
Q0016	2SB1218AHL	TRANSISTOR	1	
R0002	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R0003,04	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R0005	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R0008	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R0010	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R0011	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R0012-15	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R0016-21	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	6	
R0028	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R0029	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R0031	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R0033	ERJ3GEYJ560	M.RESISTOR CH 1/16W 56	1	
R0034	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R0035	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R0036	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R0041-43	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	3	
R0047,48	ERJ3GEYJ150	M.RESISTOR CH 1/16W 15	2	
R0049	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R0050	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R0051	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R0052	ERJ3RBD133	M.RESISTOR CH 1/16W 13K	1	
R0053	ERJ3RBD622	M.RESISTOR CH 1/16W 6.2K	1	
R0054	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R0055	ERJ3RBD303	M.RESISTOR CH 1/16W 30K	1	
R0056	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R0057	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R0060,61	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R0062	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	1	
R0063	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R0064	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R0065	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R0068,69	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R0070	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R0074	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
U0001	C0JBAB000175	IC	1	
U0002	TC7SZ08F	IC	1	
U0003	CXD2454AR	IC	1	
U0004,05	TC7SH32FU	IC	2	
U0006	C1AB00000340	IC	1	
⚠ U0007	MC74ACT04DT	IC	1	
U0009	C0CBADC00012	IC	1	
U0010	C0ABBA000025	IC	1	
U0011,12	C0JBAF000239	IC	2	
U0013	C0JBAA000157	IC	1	
U0014-16	C0JBAB000005	IC	3	
U0017	C0CBADC00012	IC	1	
⚠ U0018	MC74ACT04DT	IC	1	
U0019	YULSQ0025	IC	1	
U0020	C0CBABG00006	IC	1	
X0001	DX28R636A	CRYSTAL OSCILLATOR	1	
		MISCELLANEOUS		
	VEE0N69	MAIN DRIVE SHIELD ASS'Y	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
■ E6	VEP81220C	POWER P.C.BOARD	1	(RTL)
C1	F1J0J475A006	C.CAPACITOR CH6.3V 1U	1	
C2,C3	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2	
C4	ECUX1H472KBV	C.CAPACITOR CH 50V 4700P	1	
C5	ECUX1H121JCV	C.CAPACITOR CH 50V 120P	1	
C6	ECUX1A474KBV	C.CAPACITOR CH 10V 0.1U	1	
C7	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	1	
C8	F1J0J475A006	C.CAPACITOR CH6.3V 1U	1	
C9	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	1	
C10	ECUX1H472KBV	C.CAPACITOR CH 50V 4700P	1	
C11,12	ECUX1H102JV	C.CAPACITOR CH 50V 1000P	2	
C13	F1J0J475A006	C.CAPACITOR CH6.3V 1U	1	
C14	ECUX1C473KBV	C.CAPACITOR CH 16V 0.047U	1	
C15	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	1	
C16	ECUX1H102JV	C.CAPACITOR CH 50V 1000P	1	
C17	ECUX1H123KBV	C.CAPACITOR CH 50V 0.012U	1	
C18	VCEA1DAP680	E.CAPACITOR 20V 68U	1	
C21	ECUX1H272KBV	C.CAPACITOR CH 50V 2700P	1	
C23	VCEA1AAP101	E.CAPACITOR 10V 100U	1	
C25	VCEA1AAP101	E.CAPACITOR 10V 100U	1	
C26	ECUX1H681JCV	C.CAPACITOR CH 50V 680P	1	
C27	VCEA1DAP680	E.CAPACITOR 20V 68U	1	
C28	EEVHB1E4R7	E.CAPACITOR 25V 4.7U	1	
C29	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C30	ECUX1H562KBV	C.CAPACITOR CH 50V 5600P	1	
C32	VCEA1CAP101	E.CAPACITOR 16V 100U	1	
C33	VCEA1AAP101	E.CAPACITOR 10V 100U	1	
C34	ECUX1H681JCV	C.CAPACITOR CH 50V 680P	1	
C35	VCEA1DAP680	E.CAPACITOR 20V 68U	1	
C39	VCEA1AAP221	E.CAPACITOR 10V 220U	1	F2D1A2210001
C41	VCEA1AAP221	E.CAPACITOR 10V 220U	1	F2D1A2210001
C42	EEVHB1E6R8R	E.CAPACITOR 25V 6.8U	1	
C100	F1J0J475A006	C.CAPACITOR CH6.3V 1U	1	
C101,02	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2	
C103	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C105	ECUX1A474KBV	C.CAPACITOR CH 10V 0.1U	1	
C106	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	1	
C107	F1J0J475A006	C.CAPACITOR CH6.3V 1U	1	
C108	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	1	
C109	ECUX1H682KBV	C.CAPACITOR CH 50V 6800P	1	
C110,11	ECUX1H102JV	C.CAPACITOR CH 50V 1000P	2	
C112	F1J0J475A006	C.CAPACITOR CH6.3V 1U	1	
C113	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C114	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	1	
C115	ECUX1H102JV	C.CAPACITOR CH 50V 1000P	1	
C116	ECUX1H681JCV	C.CAPACITOR CH 50V 680P	1	
C117	VCEA1DAP680	E.CAPACITOR 20V 68U	1	
C121,22	VCEA1AAP101	E.CAPACITOR 10V 100U	2	
C123	ECUX1H681JCV	C.CAPACITOR CH 50V 680P	1	
C124	VCEA1DAP680	E.CAPACITOR 20V 68U	1	
C125	EEVHB1E4R7	E.CAPACITOR 25V 4.7U	1	
C126	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C127	ECUX1H562KBV	C.CAPACITOR CH 50V 5600P	1	
C129	ECUX1H681JCV	C.CAPACITOR CH 50V 680P	1	
C130	VCEA1CAP101	E.CAPACITOR 16V 100U	1	
C132	VCEA1CAP101	E.CAPACITOR 16V 100U	1	
C133	VCEA1DAP680	E.CAPACITOR 20V 68U	1	
C134,35	ECUX1H333KBN	C.CAPACITOR CH 50V 0.033U	2	
C136	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	1	
C138	EEUFC1E181	E.CAPACITOR 25V 180U	1	
C139	ECUX1E105KBM	C.CAPACITOR CH 25V 1U	1	
C140	EEUFC1E181	E.CAPACITOR 25V 180U	1	
C141	F1J1C105A091	C.CAPACITOR CH 16V 1U	1	
C142	EEUFC1E181	E.CAPACITOR 25V 180U	1	
C143	ECUX1E105KBM	C.CAPACITOR CH 25V 1U	1	
C144	EEUFC1E181	E.CAPACITOR 25V 180U	1	
C145	F1J1C105A091	C.CAPACITOR CH 16V 1U	1	
C146	EEVHB1E6R8R	E.CAPACITOR 25V 6.8U	1	
C200,01	F1J0J475A006	C.CAPACITOR CH6.3V 1U	2	
C202	ECUX1A105KBV	C.CAPACITOR CH 10V 1U	1	
C203	F1J0J475A006	C.CAPACITOR CH6.3V 1U	1	
C205	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C206	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	1	
C207	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C208	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	1	
C209	ECUX1E273KBV	C.CAPACITOR CH 25V 0.027U	1	
C210	ECUX1H102JV	C.CAPACITOR CH 50V 1000P	1	
C211	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C212	VCEA1DAP680	E.CAPACITOR 20V 68U	1	
C216	VCEA1AAP101	E.CAPACITOR 10V 100U	1	
C218	ECA1EFQ820	E.CAPACITOR 25V 82U	1	
C219,20	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2	
C221	EEUFC1J680	E.CAPACITOR 63V 68U	1	
C222	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C223	EEUFC1J680	E.CAPACITOR 63V 68U	1	
C224	EEVHB1E6R8R	E.CAPACITOR 25V 6.8U	1	
C226	VCEA1AAP101	E.CAPACITOR 10V 100U	1	
C250,51	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2	
C300	ECUX1E105KBM	C.CAPACITOR CH 25V 1U	1	
C302	EEVHB1E6R8R	E.CAPACITOR 25V 6.8U	1	
C303,04	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	2	
C305,06	ECUM1E224KBN	C.CAPACITOR CH 25V 0.22U	2	
C307	F1L1C1060020	C.CAPACITOR CH 16V 10U	1	
C309	EEVHB1E6R8R	E.CAPACITOR 25V 6.8U	1	
C310	VCEA1DAP101	E.CAPACITOR 20V 100U	1	
D1-D4	MA142WK-G	DIODE	4	
D5	MA143-G	DIODE	1	
D8-12	NSQ03A04	DIODE	5	B0JCPE000013
D100-03	MA142WK-G	DIODE	4	
D104	MA143-G	DIODE	1	
D107	NSQ03A04	DIODE	1	B0JCPE000013
D109	NSQ03A04	DIODE	1	B0JCPE000013
D110,11	SFPB-76V	DIODE	2	
D112	MA2Q73900L	DIODE	1	
D113-17	MAZ80680KL	DIODE	5	
D200-02	MA142WK-G	DIODE	3	
D205	NSQ03A04	DIODE	1	B0JCPE000013
D206	B0JCML000002	DIODE	1	
D207	MA142WK-G	DIODE	1	
D301-03	MA3X721D0L	DIODE	3	
D304-06	MAZ80680KL	DIODE	3	
D307	S3V60	DIODE	1	B0EAKR000020
D309	MA142WA-G	DIODE	1	
D310	MA142WK-G	DIODE	1	
IC1	BA9706K	IC	1	C0DBAZZ00012
IC100	BA9706K	IC	1	C0DBAZZ00012
IC200	BA9743AFV	IC	1	
IC300	C0DBZGH00001	IC	1	
IC301	C0BBBA000041	IC	1	
JP1	VMP6346	EARTH LUG	1	
L1-L3	J0JBC0000019	FILTER	3	
L4	J0JKC0000009	FILTER	1	
L5	G1C4R7M00009	COIL 4.7UH	1	
L6	J0JKC0000009	FILTER	1	
L7	VLQ0859M101	COIL 100UH	1	
L8	G1C6R8M00001	COIL 6.8UH	1	
L9	J0JKC0000009	FILTER	1	
L10	G1C4R7M00009	COIL 4.7UH	1	
L11	J0JKC0000009	FILTER	1	
L12	VLQ0859M101	COIL 100UH	1	
L13	G1C6R8M00001	COIL 6.8UH	1	
L14	J0JKC0000009	FILTER	1	
L15	G1C4R7M00009	COIL 4.7UH	1	
L16	VLQ0859M221	COIL 220U	1	
L17	J0JKC0000009	FILTER	1	
L18	G1C6R8M00001	COIL 6.8UH	1	
L100-02	J0JBC0000019	FILTER	3	
L103	J0JKC0000009	FILTER	1	
L104	G1C4R7M00009	COIL 4.7UH	1	
L105	J0JKC0000009	FILTER	1	
L106	VLQ0859M101	COIL 100UH	1	
L107	G1C6R8M00001	COIL 6.8UH	1	
L108	J0JKC0000009	FILTER	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
L109	G1C4R7M00009	COIL 4.7UH	1	
L110	J0JKC0000009	FILTER	1	
L111	VLQ0859M221	COIL 220U	1	
L112	G1C6R8M00001	COIL 6.8UH	1	
L113	J0JKC0000009	FILTER	1	
L114	G1C4R7M00009	COIL 4.7UH	1	
L115,16	G1A100G00006	COIL 10UH	2	
L200,01	J0JBC0000019	FILTER	2	
L202	J0JKC0000009	FILTER	1	
L203	G1C4R7M00009	COIL 4.7UH	1	
L204	J0JKC0000009	FILTER	1	
L205	VLQ0859M101	COIL 100UH	1	
L206	G1C6R8M00001	COIL 6.8UH	1	
L207	J0JKC0000009	FILTER	1	
L209	VLQ0319K680	COIL 68UH	1	G1C680KA0002
L210	G1A102B00003	COIL 1000UH	1	
L300	VLQ0319K100	COIL 10UH	1	G1C100K00023
L302,03	J0JKC0000009	FILTER	2	
P1	VEE0Q31	FRONT MIC EARTH CABLE	1	
P2	VEE0M65	POWER CABLE 2	1	
P3	K1KA07B00006	CONNECTOR (MALE)	1	
P4	VJP2824B003	CONNECTOR (MALE)	1	K1KA03B00005
Q1	2SD1820ALL	TRANSISTOR	1	
Q2	2SB1219ALL	TRANSISTOR	1	
Q3	B1DHEG000002	TRANSISTOR	1	
Q5	2SD1820ALL	TRANSISTOR	1	
Q6	2SB1219ALL	TRANSISTOR	1	
Q7	XN0440100L	TRANSISTOR	1	
Q8	2SD1820ALL	TRANSISTOR	1	
Q9	B1DHEG000002	TRANSISTOR	1	
Q10,11	2SD1820ALL	TRANSISTOR	2	
Q12	2SB1219ALL	TRANSISTOR	1	
Q13	B1DHEG000002	TRANSISTOR	1	
Q100	2SD1820ALL	TRANSISTOR	1	
Q101	2SB1219ALL	TRANSISTOR	1	
Q102	B1DHEG000002	TRANSISTOR	1	
Q105	2SD1820ALL	TRANSISTOR	1	
Q106	2SB1219ALL	TRANSISTOR	1	
Q107	XN0440100L	TRANSISTOR	1	
Q108	2SD1820ALL	TRANSISTOR	1	
Q109	B1DHEG000002	TRANSISTOR	1	
Q110	2SD1820ALL	TRANSISTOR	1	
Q111	2SB1219ALL	TRANSISTOR	1	
Q112	2SK1748-Z	TRANSISTOR	1	
Q200	2SD1820ALL	TRANSISTOR	1	
Q201	2SB1219ALL	TRANSISTOR	1	
Q202	B1DHEG000002	TRANSISTOR	1	
Q204	2SB1219ALL	TRANSISTOR	1	
Q205	2SD2403	TRANSISTOR	1	
Q300	2SB1219ALL	TRANSISTOR	1	
Q301	B1DDHF000001	TRANSISTOR	1	
Q303	B1DHEG000002	TRANSISTOR	1	
QR1,R2	UNR511200L	TRANSISTOR	2	
QR3	UNR521100L	TRANSISTOR	1	
QR100,01	UNR511200L	TRANSISTOR	2	
QR102	UNR521100L	TRANSISTOR	1	
QR202,03	UNR511200L	TRANSISTOR	2	
QR300	UNR521100L	TRANSISTOR	1	
QR301	UN5215	TRANSISTOR	1	
QR303	UNR521100L	TRANSISTOR	1	
QR404	UNR511200L	TRANSISTOR	1	
R1	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R2	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R3,R4	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R6	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R7-12	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	6	
R13	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R14,15	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R16	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R17	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1	
R18	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	

Components identified with the mark ⚠ have the special characteristics for safety.
When replacing any of these components, use only the same type.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R19	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R20	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R21	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R22	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1	
R23	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R24	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R25	ERJ3RBD162	M.RESISTOR CH 1/16W 1.6K	1	
R26	ERJ3RBD181	M.RESISTOR CH 1/16W 180	1	
R27	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R28	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R29	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R30	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R31	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R35	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R37	ERJ3GEYJ180	M.RESISTOR CH 1/16W 18	1	
R38	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R39	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R40	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R41	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R42	ERJ14RSJR10	M.RESISTOR CH 1/4W 0.1	1	
R43	ERJ3GEYJ431	M.RESISTOR CH 1/16W 430	1	
R44	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R45	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R46	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R47	ERJ3GEYJ180	M.RESISTOR CH 1/16W 18	1	
R49	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R50	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R51	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R52	ERJ3RBD433	M.RESISTOR CH 1/16W 43K	1	
R53	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R54	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R55	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R56	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R60	ERJ3RBD471	M.RESISTOR CH 1/16W 470	1	
R61	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R62	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R63	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R64	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R100	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R101	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R103	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1	
R104,05	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R106-11	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	6	
R112	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R113	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R114	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R115	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R116	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1	
R117	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R118	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R119	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R120	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R121	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1	
R122	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R123	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R124	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R125	ERJ3RBD823	M.RESISTOR CH 1/16W 82K	1	
R126	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R127	ERJ3RBD301	M.RESISTOR CH 1/16W 300	1	
R128	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R129	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R130	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R134	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R137	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R138	ERJ3RBD112	M.RESISTOR CH 1/16W 1.1K	1	
R139	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R140	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R141	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R142	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R143	ERJ14RSJR10	M.RESISTOR CH 1/4W 0.1	1	
R144	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R145	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R146	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R147	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R148	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R150	ERJ3RBD563	M.RESISTOR CH 1/16W 56K	1	
R151	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R152	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R153	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R154	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R155	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R156	ERJ8GEYJ472	M.RESISTOR CH 1/8W 4.7K	1	
R157	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R159,60	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R162	ERJ3GEYJ750	M.RESISTOR CH 1/16W 75	1	
R164,65	ERJ3GEYJ680	M.RESISTOR CH 1/16W 68	2	
R166	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R202	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R203	ERJ3RBD183	M.RESISTOR CH 1/16W 18K	1	
R204	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R205	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R206	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	1	
R207-10	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	4	
R211	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R212	ERJ3RBD302	M.RESISTOR CH 1/16W 3K	1	
R213	ERJ3RBD241	M.RESISTOR CH 1/16W 240	1	
R214	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R216	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R217	ERJ3RED224	M.RESISTOR CH 1/16W 220K	1	
R218	ERJ3RBD331	M.RESISTOR CH 1/16W 330	1	
R219	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R220	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R221	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R222	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R226	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R228	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R229	ERJ14YJ1R0	M.RESISTOR CH 1/4W 1	1	
R230	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R231	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R232	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R233	ERJ3GEYJ271	M.RESISTOR CH 1/16W 270	1	
R234	ERJ8GEYJ101	M.RESISTOR CH 1/8W 100	1	
R235	ERJ3GEYJ433	M.RESISTOR CH 1/16W 43K	1	
R237	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R300	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R301	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R302	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R303	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R304	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R307	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R310	ERJ3RBD753	M.RESISTOR CH 1/16W 75K	1	
R311	ERJ3RBD273	M.RESISTOR CH 1/16W 27K	1	
R312,13	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R314	ERJ3GEYJ201	M.RESISTOR CH 1/16W 200	1	
R315	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R316	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R317,18	ERJ3GEYJ564	M.RESISTOR CH 1/16W 560K	2	
R319	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R320,21	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	2	
R322	ERJ3RBD203	M.RESISTOR CH 1/16W 20K	1	
R323	ERJ3RBD303	M.RESISTOR CH 1/16W 30K	1	
R324	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R325	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
SW300	VSS0342	SWITCH	1	K0D112B00056
T100	VTP0514	TRANSFORMER	1	G4D1A0000033
TG1	EYF6CU	TEST POINT	1	
⚠ TH300	VRT0152160	THERMISTOR	1	
TP3	EYF6CU	TEST POINT	1	
TP300	EYF6CU	TEST POINT	1	
VR2	EVM7JGA00B24	V.RESISTOR 20K	1	
		MISCELLANEOUS		
	VMP6829	C.B.A. HOLDER ANGLE	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
	XYN26+K6	SCREW	2	
■ E7	WE600PKY1B	PRE AMP 2 P.C.BOARD	1	(RTL)
C0701	F3F1A1060001	T.CAPACITOR CH 10V 10U	1	
C0702	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	1	F1H1E104A016
Q0701	2SA15320CL	TRANSISTOR	1	
Q0702	2SC39310YL	TRANSISTOR	1	
R0701	EVM7JGA00B14	V.RESISTOR 10K	1	
R0702	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R0703	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R0704	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R0705	EVM7JGA00B14	V.RESISTOR 10K	1	
R0706	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R0707	EVM7JGA00B14	V.RESISTOR 10K	1	
R0708	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
		MISCELLANEOUS		
	L3071A04A1	SPECIAL CABLE	1	
	L3071A05A3	SPECIAL CABLE	1	
	L3071A06A2	SPECIAL CABLE	1	
	L3071A07A7	SPECIAL CABLE	1	
■ E8	VEP80C06D	REAR JACK P.C.BOARD	1	(RTL)
C1-C6	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	6	
J1,J2	VJS3417	CONNECTOR (FEMALE)	2	K1AB103A0007
P1	VEE0N11	REAR JACK CABLE	1	
R2,R3	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R5	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R8,R9	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R11	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
■ E9	VEP80C07B	AV OUT P.C.BOARD	1	(RTL)
C102,03	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	2	F1H1H102A009
J100	VJS3155	CONNECTOR (FEMALE)	1	K1CB104A0012
J101	VJJ0323	RCA PIN JACK	1	K2HA202A0029
J400,01	VJS1440	CONNECTOR (FEMALE)	2	
L100,01	J0JBC0000041	FILTER	2	
L102,03	J0JBC0000023	FILTER	2	
P100	VEE0N13	CAM OUT CABLE	1	
P101	VEE0N12	AV OUT CABLE	1	
R100,01	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
R102	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R104	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R400-03	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
		MISCELLANEOUS		

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
	VMP6781	C.B.A. HOLDER ANGLE	1	
	XTV3+6GFZ	SCREW	2	
	VMG1392	CN WATERPROOF CUSHION	1	
	VSC5244	JACK ELECTROSTATIC ANGLE	1	
■ E10	VEP86149A	OPERATE P.C.BOARD	1	(RTL)
D6001-03	B3AAB0000044	LED	3	
P501	VJP3125B010	CONNECTOR (MALE)	1	K1KA10B00136
SW6001-05	EVQPHL03T	SWITCH	5	
		MISCELLANEOUS		
	VEE9417	P.C.B. INT CABLE	1	
■ E11	VEP84376A	CUE P.C.BOARD	1	(RTL)
C1001,02	EEVHB1H3R3	E.CAPACITOR 50V 3.3U	2	
C1003-06	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	4	
C1007,08	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C1101-03	F1L1C1060020	C.CAPACITOR CH 16V 10U	3	
C1106	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C1107	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	
C1108	ECUX1H223KBN	C.CAPACITOR CH 50V 0.22U	1	
C1109	ECHS1H102JZ	P.CAPACITOR 50V 1000P	1	
C1110	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C1111	VCF2JAB332J	P.CAPACITOR 630V 3300P	1	
C1112	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C1113	ECUX1H273KBN	C.CAPACITOR CH 50V 0.027U	1	
C1114	ECUX1H822KBV	C.CAPACITOR CH 50V 8200P	1	
C1115,16	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C1117	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C1118	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	1	
C1119	VCC0030	CAPACITOR	1	
C1120	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	
C1121	ECUM1E473KBN	C.CAPACITOR CH 25V 0.047U	1	
C1122	ECUX1H390JCV	C.CAPACITOR CH 50V 39P	1	
C1123	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C1124	ECUX1H151JCV	C.CAPACITOR CH 50V 150P	1	
C1125	F1L1C1060020	C.CAPACITOR CH 16V 10U	1	
D1001-04	MA142K-G	DIODE	4	
D1101	MA142K-G	DIODE	1	
FL1101	EIR7QF012B	TRANSFORMER	1	
IC1001,02	C0JBAZ000516	IC	2	
IC1003,04	C0JBAM000045	IC	2	
IC1101	C0ABBB000110	IC	1	
IC1102	C0JBAB000350	IC	1	
L1101-03	VLQ0319K100	COIL 10UH	3	G1C100K00023
L1104	VLQ0423J472	COIL 4700UH	1	
P1001	K1KA06B00106	CONNECTOR (MALE)	1	
P1002	K1KA08B00147	CONNECTOR (MALE)	1	
P1003	K1KA06B00106	CONNECTOR (MALE)	1	
P1004	VJS3791D015	CONNECTOR (FEMALE)	1	
P1005	VJP3125B009	CONNECTOR (MALE)	1	K1KA09B00055
Q1101	2SB07790RL	TRANSISTOR	1	
Q1102	2SD1819A-R	TRANSISTOR	1	2SD1819ARL
Q1103	2SD08740RL	TRANSISTOR	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
Q1104	2SD197900L	TRANSISTOR	1	
Q1105	2SB12200RL	TRANSISTOR	1	
Q1106,07	2SD18210LL	TRANSISTOR	2	
Q1108,09	2SD197900L	TRANSISTOR	2	
QR1001	UNR511300L	TRANSISTOR	1	
QR1002,03	UNR521F00L	TRANSISTOR	2	
QR1004,05	UNR511300L	TRANSISTOR	2	
QR1006,07	UNR521F00L	TRANSISTOR	2	
QR1008	UNR511300L	TRANSISTOR	1	
QR1101-05	UNR511300L	TRANSISTOR	5	
QR1106	UNR521300L	TRANSISTOR	1	
QR1107	UNR511300L	TRANSISTOR	1	
R1003,04	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	
R1005-08	ERJ3GEYJ224	M.RESISTOR CH 1/16W 220K	4	
R1013	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R1014,15	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R1101	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R1102	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R1103	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	
R1104	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R1105	ERJ8GEYJ1R0	M.RESISTOR CH 1/8W 1	1	
R1106	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R1107	ERJ3GEYJ390	M.RESISTOR CH 1/16W 39	1	
R1108	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1110	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R1111	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R1112	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R1113	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R1115	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R1116	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R1117,18	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R1119	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R1120	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R1121	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R1122	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R1123,24	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R1125	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	
R1126	ERJ3RED100	M.RESISTOR CH 1/16W 10	1	
R1127	ERJ8GEYJ1R0	M.RESISTOR CH 1/8W 1	1	
R1128	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R1129	ERJ3GEYJ124	M.RESISTOR CH 1/16W 120K	1	
R1130	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1131	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R1132	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R1133,34	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R1136	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
RY1001,02	K6B2CDB00010	RELAY	2	
T1101	G4ZZ00000358	TRANSFORMER	1	
TP1001-04	EYF6CU	TEST POINT	4	
VR1101	D3EC5503A001	V.RESISTOR 50K	1	
VR1102	VRV0161B103	V.RESISTOR 10K	1	
		MISCELLANEOUS		
	EYF6CU	TEST POINT	5	
■ E12	WE600PKB1B	SENSOR (R) P.C.BOARD	1	(RTL)
C0001,02	F3H1E4750002	T.CAPACITOR CH 25V 4.7U	2	
C0003	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
C0004	ECSF1CE156	T.CAPACITOR CH 16V 15U	1	
C0006	F3H0J4760002	T.CAPACITOR CH6.3V 47U	1	
C0007	F3H1E4750002	T.CAPACITOR CH 25V 4.7U	1	
C0008	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	1	F1H1E104A016

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
J0001	K1MZ18B00003	CONNECTOR	1	
L0001	G1C150J00002	COIL 15UH	1	
Q0001	2SC39310YL	TRANSISTOR	1	
R0001	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R0003	ERJ3GEYJ184	M.RESISTOR CH 1/16W 180K	1	
R0004	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R0005	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R0006	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R0007	ERJ3GEYJ302	M.RESISTOR CH 1/16W 3K	1	
R0008	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R0009	ERJ3GEYJ391	M.RESISTOR CH 1/16W 390	1	
■ E13	WE600PKC1B	SENSOR (G) P.C.BOARD	1	(RTL)
C0001,02	F3H1E4750002	T.CAPACITOR CH 25V 4.7U	2	
C0003	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
C0004	F3H0J1560001	T.CAPACITOR CH6.3V 15U	1	
C0006	F3H0J4760002	T.CAPACITOR CH6.3V 47U	1	
C0007	F3H1E4750002	T.CAPACITOR CH 25V 4.7U	1	
C0008	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	1	F1H1E104A016
E0001,02	L2471A06A5	SPECIAL CABLE	2	
J0001	K1MZ30B00002	CONNECTOR	1	
J0002	K1MZ10B00003	CONNECTOR	1	
J0003,04	K1MZ18B00003	CONNECTOR	2	
L0001	G1C150J00002	COIL 15UH	1	
Q0001	2SC39310YL	TRANSISTOR	1	
R0001	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R0003	ERJ3GEYJ184	M.RESISTOR CH 1/16W 180K	1	
R0004	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R0005	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R0006	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R0007	ERJ3GEYJ302	M.RESISTOR CH 1/16W 3K	1	
R0008	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R0009	ERJ3GEYJ391	M.RESISTOR CH 1/16W 390	1	
■ E14	WE600PKD1B	SENSOR (B) P.C.BOARD	1	(RTL)
C0001,02	F3H1E4750002	T.CAPACITOR CH 25V 4.7U	2	
C0003	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
C0004	F3H0J1560001	T.CAPACITOR CH6.3V 15U	1	
C0006	F3H0J4760002	T.CAPACITOR CH6.3V 47U	1	
C0007	F3H1E4750002	T.CAPACITOR CH 25V 4.7U	1	
C0008	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	1	F1H1E104A016
J0001	K1MZ18B00003	CONNECTOR	1	
L0001	G1C150J00002	COIL 15UH	1	
Q0001	2SC39310YL	TRANSISTOR	1	
R0001	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R0003	ERJ3GEYJ184	M.RESISTOR CH 1/16W 180K	1	
R0004	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R0005	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R0006	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R0007	ERJ3GEYJ302	M.RESISTOR CH 1/16W 3K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R0008	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R0009	ERJ3GEYJ391	M.RESISTOR CH 1/16W 390	1	
W0001	BP120J1	LEAD	1	
■ E15	WE600PKE1B	PRE AMP P.C.BOARD	1	(RTL)
■	VEP83564A	PRE AMP 3 P.C.BOARD	1	(RTL)
				FOR WE600PKE1B
C0001	F3H1C6860001	T.CAPACITOR CH 16V 68U	1	
C0002	F3F1A1060001	T.CAPACITOR CH 10V 10U	1	
C0003	SK21C225MRA	T.CAPACITOR CH 16V 2.2U	1	F3F1C225A006
C0005-07	F3H1C6860001	T.CAPACITOR CH 16V 68U	3	
C0008	F3G1A3360001	T.CAPACITOR CH 10V 33U	1	
C0009	F3F1A1060001	T.CAPACITOR CH 10V 10U	1	
C0010	SK21C225MRA	T.CAPACITOR CH 16V 2.2U	1	F3F1C225A006
C0012	F3G1A3360001	T.CAPACITOR CH 10V 33U	1	
C0101	F3F1A1060001	T.CAPACITOR CH 10V 10U	1	
C0102	F1H1H151A231	C.CAPACITOR CH 50V 150P	1	
C0103	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	1	F1H1E104A016
C0104	F3G1C2260001	T.CAPACITOR CH 16V 22U	1	
C0105	F1H1H180A231	C.CAPACITOR CH 50V 18P	1	
C0106	F1H1H150A004	C.CAPACITOR CH 50V 15P	1	
C0107	F1H1H180A231	C.CAPACITOR CH 50V 18P	1	
C0108	F3F1C1060002	T.CAPACITOR CH 16V 10U	1	
C0109	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	1	F1H1E104A016
C0110	YGM1C390J1HT	C.CAPACITOR 16V 39P	1	F1H1H390A231
C0111	F3F1A1060001	T.CAPACITOR CH 10V 10U	1	
C0112	F1H1H151A231	C.CAPACITOR CH 50V 150P	1	
C0113	SK31C476MRD0	T.CAPACITOR CH 16V 47U	1	F3H1C4760003
C0114	YGM1C100D1HT	C.CAPACITOR 16V 10P	1	F1H1H100A226
C0115	F1H1H200A004	C.CAPACITOR CH 50V 20P	1	
C0116	F3F1A1060001	T.CAPACITOR CH 10V 10U	1	
C0118,19	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	2	F1H1E104A016
C0120	F3F1A1060001	T.CAPACITOR CH 10V 10U	1	
C0121	F3F0J3360001	T.CAPACITOR CH6.3V 33U	1	
C0122	F3F1A1060001	T.CAPACITOR CH 10V 10U	1	
C0302	F1H1H151A231	C.CAPACITOR CH 50V 150P	1	
C0303	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	1	F1H1E104A016
C0304	F3G1C2260001	T.CAPACITOR CH 16V 22U	1	
C0305	F1H1H180A231	C.CAPACITOR CH 50V 18P	1	
C0306	F1H1H150A004	C.CAPACITOR CH 50V 15P	1	
C0307	F1H1H180A231	C.CAPACITOR CH 50V 18P	1	
C0308	F3F1C1060002	T.CAPACITOR CH 16V 10U	1	
C0309	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	1	F1H1E104A016
C0310	YGM1C390J1HT	C.CAPACITOR 16V 39P	1	F1H1H390A231
C0311	F3F1A1060001	T.CAPACITOR CH 10V 10U	1	
C0312	F1H1H151A231	C.CAPACITOR CH 50V 150P	1	
C0313	SK31C476MRD0	T.CAPACITOR CH 16V 47U	1	F3H1C4760003
C0314	YGM1C100D1HT	C.CAPACITOR 16V 10P	1	F1H1H100A226
C0315	F1H1H200A004	C.CAPACITOR CH 50V 20P	1	
C0316	F3F1A1060001	T.CAPACITOR CH 10V 10U	1	
C0318,19	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	2	F1H1E104A016
C0320	F3F1A1060001	T.CAPACITOR CH 10V 10U	1	
C0321	F3F0J3360001	T.CAPACITOR CH6.3V 33U	1	
C0502	F1H1H151A231	C.CAPACITOR CH 50V 150P	1	
C0503	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	1	F1H1E104A016
C0504	F3G1C2260001	T.CAPACITOR CH 16V 22U	1	
C0505	F1H1H180A231	C.CAPACITOR CH 50V 18P	1	
C0506	F1H1H150A004	C.CAPACITOR CH 50V 15P	1	
C0507	F1H1H180A231	C.CAPACITOR CH 50V 18P	1	
C0508	F3F1C1060002	T.CAPACITOR CH 16V 10U	1	
C0509	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	1	F1H1E104A016
C0510	YGM1C390J1HT	C.CAPACITOR 16V 39P	1	F1H1H390A231
C0511	F3F1A1060001	T.CAPACITOR CH 10V 10U	1	
C0512	F1H1H151A231	C.CAPACITOR CH 50V 150P	1	
C0513	SK31C476MRD0	T.CAPACITOR CH 16V 47U	1	F3H1C4760003
C0514	YGM1C100D1HT	C.CAPACITOR 16V 10P	1	F1H1H100A226
C0515	F1H1H200A004	C.CAPACITOR CH 50V 20P	1	
C0516	F3F1A1060001	T.CAPACITOR CH 10V 10U	1	
C0518,19	YGM1F104Z1ET	C.CAPACITOR 31.5V 0.1U	2	F1H1E104A016

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C0520	F3F1A1060001	T.CAPACITOR CH 10V 10U	1	
C0521	F3F0J3360001	T.CAPACITOR CH6.3V 33U	1	
C0522	F3F1A1060001	T.CAPACITOR CH 10V 10U	1	
CF0101	J0E5004B0001	LCR FILTER	1	
CF0102	J0E9604B0002	LCR FILTER	1	
CF0301	J0E5004B0001	LCR FILTER	1	
CF0302	J0E9604B0002	LCR FILTER	1	
CF0501	J0E5004B0001	LCR FILTER	1	
CF0502	J0E9604B0002	LCR FILTER	1	
D0100	MA165	DIODE	1	MA2C165001VT
D0300	MA165	DIODE	1	MA2C165001VT
D0500	MA165	DIODE	1	MA2C165001VT
IC1	C0DBEZC00009	IC	1	FOR VEP83564A
J0001	K1MM16B00003	CONNECTOR	1	
J0002	K1MZ06B00001	CONNECTOR	1	
J0003	K1MZ10B00003	CONNECTOR	1	
L0101	G1C2R7J00003	COIL	1	
L0301	G1C2R7J00003	COIL	1	
L0501	G1C2R7J00003	COIL	1	
Q0001	2SB0766AHL	TRANSISTOR	1	
Q0002	2SD0874AHL	TRANSISTOR	1	
Q0101	2SA15320CL	TRANSISTOR	1	
Q0102	2SC39310YL	TRANSISTOR	1	
Q0103	2SA15320CL	TRANSISTOR	1	
Q0104	3SK157	FET	1	
Q0105	2SC39310YL	TRANSISTOR	1	
Q0106	2SA15320CL	TRANSISTOR	1	
Q0107	3SK157	FET	1	
Q0108	2SC39310YL	TRANSISTOR	1	
Q0109	2SA15320CL	TRANSISTOR	1	
Q0110	3SK157	FET	1	
Q0111,12	2SC39310YL	TRANSISTOR	2	
Q0113	2SD1819A-R	TRANSISTOR	1	2SD1819AHL
Q0114	2SC39310YL	TRANSISTOR	1	
Q0115	2SD1819A-R	TRANSISTOR	1	2SD1819AHL
Q0116-18	2SA15320CL	TRANSISTOR	3	
Q0119	2SC39310YL	TRANSISTOR	1	
Q0120-23	2SA15320CL	TRANSISTOR	4	
Q0124	2SD1819A-R	TRANSISTOR	1	2SD1819AHL
Q0125	2SC39310YL	TRANSISTOR	1	
Q0126	2SD1819A-R	TRANSISTOR	1	2SD1819AHL
Q0127	2SC39310YL	TRANSISTOR	1	
Q0128	2SA15320CL	TRANSISTOR	1	
Q0302	2SC39310YL	TRANSISTOR	1	
Q0303	2SA15320CL	TRANSISTOR	1	
Q0304	3SK157	FET	1	
Q0305	2SC39310YL	TRANSISTOR	1	
Q0306	2SA15320CL	TRANSISTOR	1	
Q0307	3SK157	FET	1	
Q0308	2SC39310YL	TRANSISTOR	1	
Q0309	2SA15320CL	TRANSISTOR	1	
Q0310	3SK157	FET	1	
Q0311,12	2SC39310YL	TRANSISTOR	2	
Q0313	2SD1819A-R	TRANSISTOR	1	2SD1819AHL
Q0314	2SC39310YL	TRANSISTOR	1	
Q0315	2SD1819A-R	TRANSISTOR	1	2SD1819AHL
Q0316-18	2SA15320CL	TRANSISTOR	3	
Q0319	2SC39310YL	TRANSISTOR	1	
Q0320-23	2SA15320CL	TRANSISTOR	4	
Q0324	2SD1819A-R	TRANSISTOR	1	2SD1819AHL
Q0325	2SC39310YL	TRANSISTOR	1	
Q0326	2SD1819A-R	TRANSISTOR	1	2SD1819AHL
Q0502	2SC39310YL	TRANSISTOR	1	
Q0503	2SA15320CL	TRANSISTOR	1	
Q0504	3SK157	FET	1	
Q0505	2SC39310YL	TRANSISTOR	1	
Q0506	2SA15320CL	TRANSISTOR	1	
Q0507	3SK157	FET	1	
Q0508	2SC39310YL	TRANSISTOR	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
Q0509	2SA15320CL	TRANSISTOR	1	
Q0510	3SK157	FET	1	
Q0511,12	2SC39310YL	TRANSISTOR	2	
Q0513	2SD1819A-R	TRANSISTOR	1	2SD1819AHL
Q0514	2SC39310YL	TRANSISTOR	1	
Q0515	2SD1819A-R	TRANSISTOR	1	2SD1819AHL
Q0516-18	2SA15320CL	TRANSISTOR	3	
Q0519	2SC39310YL	TRANSISTOR	1	
Q0520-23	2SA15320CL	TRANSISTOR	4	
Q0524	2SD1819A-R	TRANSISTOR	1	2SD1819AHL
Q0525	2SC39310YL	TRANSISTOR	1	
Q0526	2SD1819A-R	TRANSISTOR	1	2SD1819AHL
Q0527	2SC39310YL	TRANSISTOR	1	
Q0528	2SA15320CL	TRANSISTOR	1	
R1	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	FOR VEP83564A
R2	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	FOR VEP83564A
R3	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	FOR VEP83564A
R0003	ERJ3RBD163	M.RESISTOR CH 1/16W 16K	1	
R4	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP83564A
R0004	ERJ3RBD473	M.RESISTOR CH 1/16W 47K	1	
R0005	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R0007	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R0009	ERJ3RBD273	M.RESISTOR CH 1/16W 27K	1	
R0010	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R0012	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	1	
R0013	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R0101,02	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	2	
R0103	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R0104	ERJ3GEYJ752	M.RESISTOR CH 1/16W 7.5K	1	
R0105	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R0106	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R0107	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R0108	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R0109	ERJ3GEYJ752	M.RESISTOR CH 1/16W 7.5K	1	
R0110	ERJ3GEYJ241	M.RESISTOR CH 1/16W 240	1	
R0111	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R0112	ERJ3GEYJ242	M.RESISTOR CH 1/16W 2.4K	1	
R0113	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R0114	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R0115	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R0116	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R0117	ERJ3GEYJ303	M.RESISTOR CH 1/16W 30K	1	
R0118	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R0119,20	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	2	
R0121	ERJ3GEYJ752	M.RESISTOR CH 1/16W 7.5K	1	
R0122	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R0123	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R0124	ERJ3GEYJ752	M.RESISTOR CH 1/16W 7.5K	1	
R0125	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R0126	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1	
R0127	EVM7JSW30B12	V.RESISTOR 100	1	
R0128	ERJ3GEYJ155	M.RESISTOR CH 1/16W 1.5M	1	
R0129	ERJ3GEYJ302	M.RESISTOR CH 1/16W 3K	1	
R0130	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R0131	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R0132	ERJ3GEYJ752	M.RESISTOR CH 1/16W 7.5K	1	
R0133	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R0134	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R0135	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	
R0136	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R0137	ERJ3GEYJ751	M.RESISTOR CH 1/16W 750	1	
R0138	ERJ3GEYJ752	M.RESISTOR CH 1/16W 7.5K	1	
R0139	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R0140	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R0141,42	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	2	
R0143	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R0144,45	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	2	
R0146	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R0147	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R0148	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R0149	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R0150	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R0151,52	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R0153	ERJ3GEYJ391	M.RESISTOR CH 1/16W 390	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R0154	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R0155	EVM7JSW30B23	V.RESISTOR 2K	1	
R0156	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R0157	ERJ3GEYJ391	M.RESISTOR CH 1/16W 390	1	
R0158	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R0159	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R0163	EVM7JSW30B23	V.RESISTOR 2K	1	
R0165	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R0167	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	1	
R0170	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R0171	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R0304	ERJ3GEYJ752	M.RESISTOR CH 1/16W 7.5K	1	
R0305	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R0306	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R0307	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R0308	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R0309	ERJ3GEYJ752	M.RESISTOR CH 1/16W 7.5K	1	
R0310	ERJ3GEYJ241	M.RESISTOR CH 1/16W 240	1	
R0311	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R0312	ERJ3GEYJ242	M.RESISTOR CH 1/16W 2.4K	1	
R0313	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R0314	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R0315	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R0316	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R0317	ERJ3GEYJ303	M.RESISTOR CH 1/16W 30K	1	
R0318	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R0319,20	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	2	
R0321	ERJ3GEYJ752	M.RESISTOR CH 1/16W 7.5K	1	
R0322	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R0323	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R0324	ERJ3GEYJ752	M.RESISTOR CH 1/16W 7.5K	1	
R0325	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R0326	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1	
R0327	EVM7JSW30B12	V.RESISTOR 100	1	
R0328	ERJ3GEYJ155	M.RESISTOR CH 1/16W 1.5M	1	
R0329	ERJ3GEYJ302	M.RESISTOR CH 1/16W 3K	1	
R0330	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R0331	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R0332	ERJ3GEYJ752	M.RESISTOR CH 1/16W 7.5K	1	
R0333	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R0334	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R0335	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	
R0336	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R0337	ERJ3GEYJ751	M.RESISTOR CH 1/16W 750	1	
R0338	ERJ3GEYJ752	M.RESISTOR CH 1/16W 7.5K	1	
R0339	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R0340	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R0341,42	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	2	
R0343	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R0344,45	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	2	
R0346	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R0347	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R0348	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R0349	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R0350	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R0351,52	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R0353	ERJ3GEYJ391	M.RESISTOR CH 1/16W 390	1	
R0354	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R0355	EVM7JSW30B23	V.RESISTOR 2K	1	
R0356	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R0357	ERJ3GEYJ391	M.RESISTOR CH 1/16W 390	1	
R0358	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R0359	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R0363	EVM7JSW30B23	V.RESISTOR 2K	1	
R0370	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R0371	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R0504	ERJ3GEYJ752	M.RESISTOR CH 1/16W 7.5K	1	
R0505	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R0506	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R0507	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R0508	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R0509	ERJ3GEYJ752	M.RESISTOR CH 1/16W 7.5K	1	
R0510	ERJ3GEYJ241	M.RESISTOR CH 1/16W 240	1	
R0511	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R0512	ERJ3GEYJ242	M.RESISTOR CH 1/16W 2.4K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R0513	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R0514	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R0515	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R0516	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R0517	ERJ3GEYJ303	M.RESISTOR CH 1/16W 30K	1	
R0518	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R0519,20	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	2	
R0521	ERJ3GEYJ752	M.RESISTOR CH 1/16W 7.5K	1	
R0522	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R0523	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R0524	ERJ3GEYJ752	M.RESISTOR CH 1/16W 7.5K	1	
R0525	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R0526	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1	
R0527	EVM7JSW30B12	V.RESISTOR 100	1	
R0528	ERJ3GEYJ155	M.RESISTOR CH 1/16W 1.5M	1	
R0529	ERJ3GEYJ302	M.RESISTOR CH 1/16W 3K	1	
R0530	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R0531	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R0532	ERJ3GEYJ752	M.RESISTOR CH 1/16W 7.5K	1	
R0533	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R0534	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R0535	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	
R0536	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R0537	ERJ3GEYJ751	M.RESISTOR CH 1/16W 750	1	
R0538	ERJ3GEYJ752	M.RESISTOR CH 1/16W 7.5K	1	
R0539	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R0540	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R0541,42	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	2	
R0543	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R0544,45	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	2	
R0546	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R0547	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R0548	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R0549	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R0550	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R0551,52	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R0553	ERJ3GEYJ391	M.RESISTOR CH 1/16W 390	1	
R0554	ERJ3GEYJ511	M.RESISTOR CH 1/16W 510	1	
R0555	EVM7JSW30B23	V.RESISTOR 2K	1	
R0556	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R0557	ERJ3GEYJ391	M.RESISTOR CH 1/16W 390	1	
R0558	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R0559	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R0563	EVM7JSW30B23	V.RESISTOR 2K	1	
R0565	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R0567	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	1	
R0570	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R0580,81	ERDS2TJ102	C.RESISTOR 1/4W 1K	2	
U0001	C0ABBA000025	IC	1	
U0101	TC4W53FU	IC	1	C0JBAR000113
U0301	TC4W53FU	IC	1	C0JBAR000113
U0501	TC4W53FU	IC	1	C0JBAR000113
■ E16	VEP80B98A	R SIDE P.C.BOARD	1	(RTL)
B1	BCR20H4	BUTTON BATTERY HOLDER	1	
C1	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C2	F1J0J475A006	C.CAPACITOR CH6.3V 1U	1	
C3-C5	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	3	
C6	ECEA0JSN470	E.CAPACITOR 6.3V 47U	1	
C7	ECEA1CSN4R7	E.CAPACTOR 16V 4.7U	1	
D1-D5	MA142WK-G	DIODE	5	
D6	MA142WA-G	DIODE	1	
D7-18	MA142WK-G	DIODE	12	
IC1	UPD16431AGC	IC	1	C0HBA0000023

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
P2	VEE0N21	R SIDE CABLE	1	
P3	K1MN18B00013	CONNECTOR	1	
P4	VEE0N23	MENU JOG CABLE	1	
P5	VJP1243T	CONNECTOR (MALE) 3P	1	
P6	VWJ12D5060AA	FLAT CABLE	1	
P7	VEE0N22	POWER SW CABLE	1	
QR1,R2	UNR511300L	TRANSISTOR	2	
R1	ERJ6GEYG331	M.RESISTOR CH 1/10W 330	1	
R4,R5	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	2	
R6	ERJ6GEYG331	M.RESISTOR CH 1/10W 330	1	
R7	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R8,R9	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	2	
R11-14	ERJ8GEY0R00	M.RESISTOR CH 1/8W 0	4	
R15	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R16	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R17	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R18	ERJ8GEY0R00	M.RESISTOR CH 1/8W 0	1	
R19-22	ERJ8GEYJ101	M.RESISTOR CH 1/8W 100	4	
R23	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R25-28	ERJ14YJ100	M.RESISTOR CH 1/4W 10	4	
R33-36	ERJ8GEYJ102	M.RESISTOR CH 1/8W 1K	4	
R37	ERJ8GEY0R00	M.RESISTOR CH 1/8W 0	1	
R38-42	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	5	
SW1	K0D122A00120	SWITCH	1	
SW2	K0D123A00060	SWITCH	1	
SW3	K0D122A00120	SWITCH	1	
SW4,W5	K0D123A00060	SWITCH	2	
SW6	K0D122A00120	SWITCH	1	
SW7	K0D123A00060	SWITCH	1	
SW8	K0D122A00120	SWITCH	1	
SW9	EVQQSB04B	SWITCH	1	
VR1,R2	VRV0080	V.RESISTOR	2	D2BCA14A0001
		MISCELLANEOUS		
	VWB0123	CLAMPER	1	
■ E17	VEP80B99A	SCENE FILE P.C.BOARD	1	(RTL)
C8	F1J0J475A006	C.CAPACITOR CH6.3V 1U	1	
D21-24	MA142WK-G	DIODE	4	
P9	VWJ07D5030AA	FLAT CABLE	1	
R30	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R31	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R32	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R43	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R44	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R45	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R46	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R47	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R48	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
SW11	EVQQS205K	SWITCH	1	
SW12	K0G119A00024	SWITCH	1	
VR3	D2BBC14Y0003	V.RESISTOR 10K	1	
		MISCELLANEOUS		
	VGQ6174	PUSH BUTTON HOLDER ANGLE	1	
	VMG1381	MONITOR VR RUBBER	1	

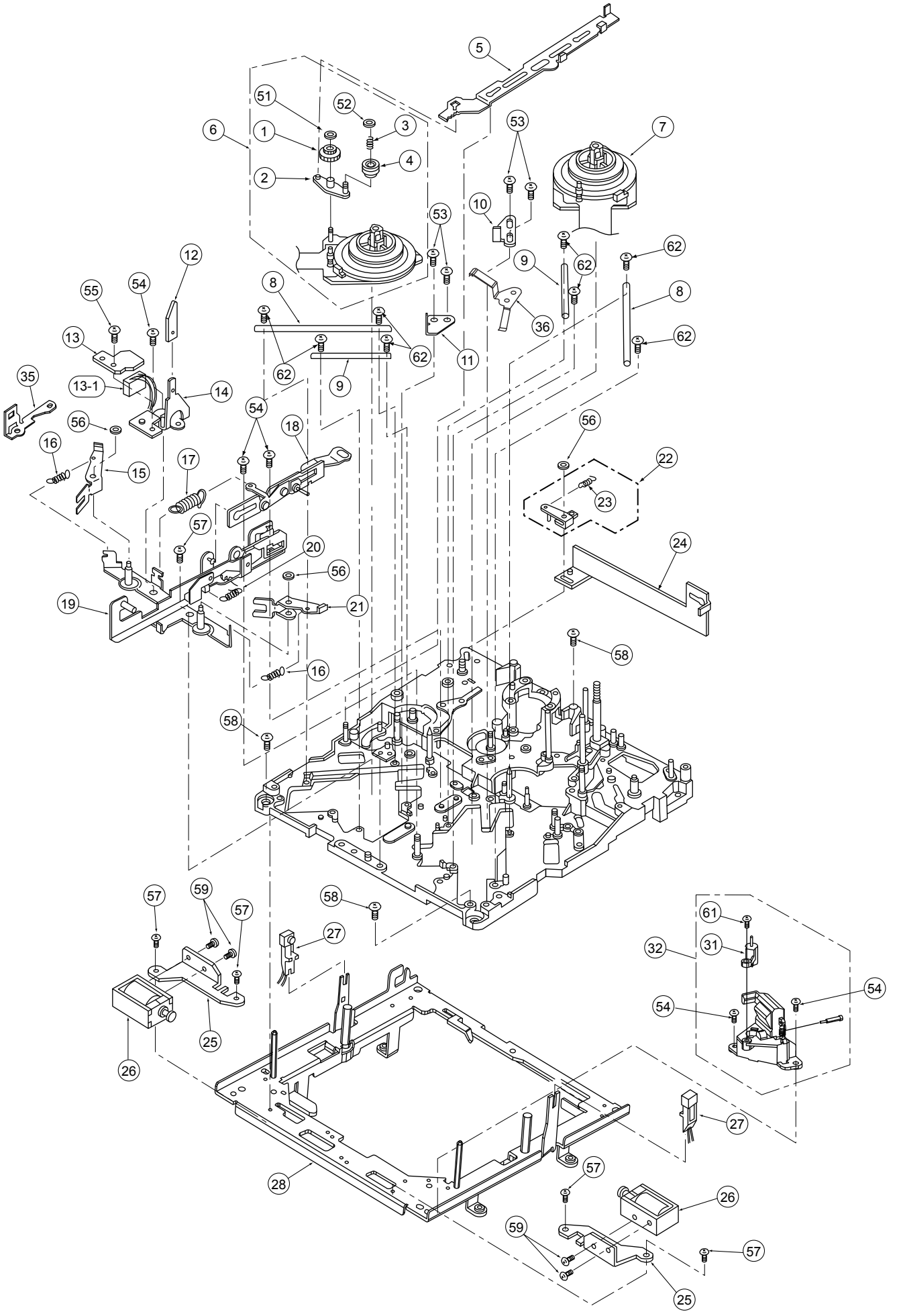
Components identified with the mark ⚠ have the special characteristics for safety.
When replacing any of these components, use only the same type.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
■ E18	VEP80C00A	SUTO IRIS P.C.BOARD	1	(RTL)
D19	LN48YCPP	LED	1	
SW13	EVQQS205K	SWITCH	1	
SW14	K0D123A00060	SWITCH	1	
SW15	EVQQS205K	SWITCH	1	
		MISCELLANEOUS		
	VGQ6174	PUSH BUTTON HOLDER ANGLE	2	
	VMX2126	LED SPACER	1	
■ E19	VEP80C01B	LED P.C.BOARD	1	(RTL)
D20	B3CKE0000005	LED	1	
P11	VWJ03D5065AA	FLAT CABLE	1	
		MISCELLANEOUS		
	VMX3083	LED SPACER	1	
■ E20	VEP80B94A	TOGGLE SW P.C.BOARD	1	(RTL)
P1	VJP1236T	CONNECTOR (MALE) 9P	1	K1KA09A00023
SW1-W3	K0E113A00005	SWITCH	3	
SW4	K0E112A00043	SWITCH	1	
■ E21	VEP80C02A	FRONT TOGGLE SW P.C.BOARD	1	(RTL)
L1-L5	J0JBC0000014	RILTER	5	
L6	J0JKC0000009	FILTER	1	
L7-L9	J0JBC0000014	RILTER	3	
P1	VJP1598T	CONNECTOR (MALE) 5P	1	K1KA05A00104
P2	VJP1230T	CONNECTOR (MALE) 3P	1	
P4	VJP3125B010	CONNECTOR (MALE)	1	K1KA10B00136
P5	K1MN20A00036	CONNECTOR (FEMALE)	1	
R2	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R4	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R5	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
SW1	VST0194	SWITCH	1	K0E132A00002
SW2	VST0195	SWITCH	1	K0E132A00003
		MISCELLANEOUS		
	VMP6783	P.C.BOARD HOLDER ANGLE	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
■ E22	VEP80C20A	REMOTE MAINTENANCE P.C.B.	1	(RTL)
C70-76	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	7	
IC70	THC4052FT	IC	1	
IC71	MAX3223CAP	IC	1	C0ZBZ0000220
P70	K1MN20A00036	CONNECTOR	1	
P71	VJP3969A009	CONNECTOR (MALE)	1	K1FA109A0005
R70	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R71,72	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R73	D1H84734A008	COMBI.R-R	1	
R76,77	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
SW70	VSS0557TB	SWITCH	1	K0N110A00021
■ E23	VEP80B96A	MENU JOG P.C.BOARD	1	(RTL)
J1	VJR1094	TERMINAL	1	
P1	K1KA07B00061	CONNECTOR (MALE)	1	
SW1	EVQQSB04B	SWITCH	1	
SW2	EVQWK4001	JOG ENCODER SW	1	
■ E24	VEP80B97A	POWER SW P.C.BOARD	1	(RTL)
SW16	VST0299	TOGGLE SWITCH	1	K0E112G00001
■ E25	VEP80C08A	BREAKER P.C.BOARD	1	(RTL)
L200	J0JJC0000006	FILTER	1	
L201,02	J0JHC0000016	COIL	2	
P200	VJP2824A002	CONNECTOR (MALE)	1	K1KA02A00009
P201	VJP2824A004	CONNECTOR (MALE)	1	K1KA04A00005
⚠ SW200	VSQ0834	CIRCUIT PROTECTOR	1	K5JDHB000002
		MISCELLANEOUS		
	VEE0N06	BREAKER CABLE	1	
■ E26	VEP00X87D	DC INPUT P.C.BOARD	1	(RTL)
D1	S3V40	DIODE	1	
		MISCELLANEOUS		
	VJP2717	CONNECTOR (MALE)	1	K1AA104H0021
	VEE0N07	DC INPUT CABLE	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
■ E27	VEP000U0A	HEAD PHONE P.C.BOARD	1	(RTL)
C700,01	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	2	F1H1H102A009
J700	VJJ0522	JACK	1	K2HC103B0082
L700,01	J0JBC0000023	FILTER	2	
■ E28	VEP80C12A	FRONT MIC P.C.BOARD	1	(RTL)
J600	VJS3417	CONNECTOR (FEMALE)	1	K1AB103A0007
P600	VEE0N19	FRONT MIC CABLE	1	
R600-03	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
■ E29	VEP80A74A	BACK TALLY P.C.BOARD	1	(RTL)
D1	TLRA116	DIODE	1	
SW1	VST0131	SWITCH	1	K0E122A00016
		MISCELLANEOUS		
	VEE9418	CABLE	1	
	VMX2126	LED SPACER	1	
■ E30	VEP000W0A	FILTER P.C.BOARD	1	(RTL)
L1,L2	J0JBC0000019	FILTER	2	
L3,L4	J0JHC0000016	COIL	2	
		MISCELLANEOUS		
	VEE0Q39	ANTON A CABLE ASS'Y	1	
	VEE0Q40	ANTON B CABLE ASS'Y	1	
	VEE0Q41	BATT A CABLE ASS'Y	1	
	VEE0Q42	BATT B CABLE ASS'Y	1	

MECHANICAL CHASSIS ASSEMBLY (1)

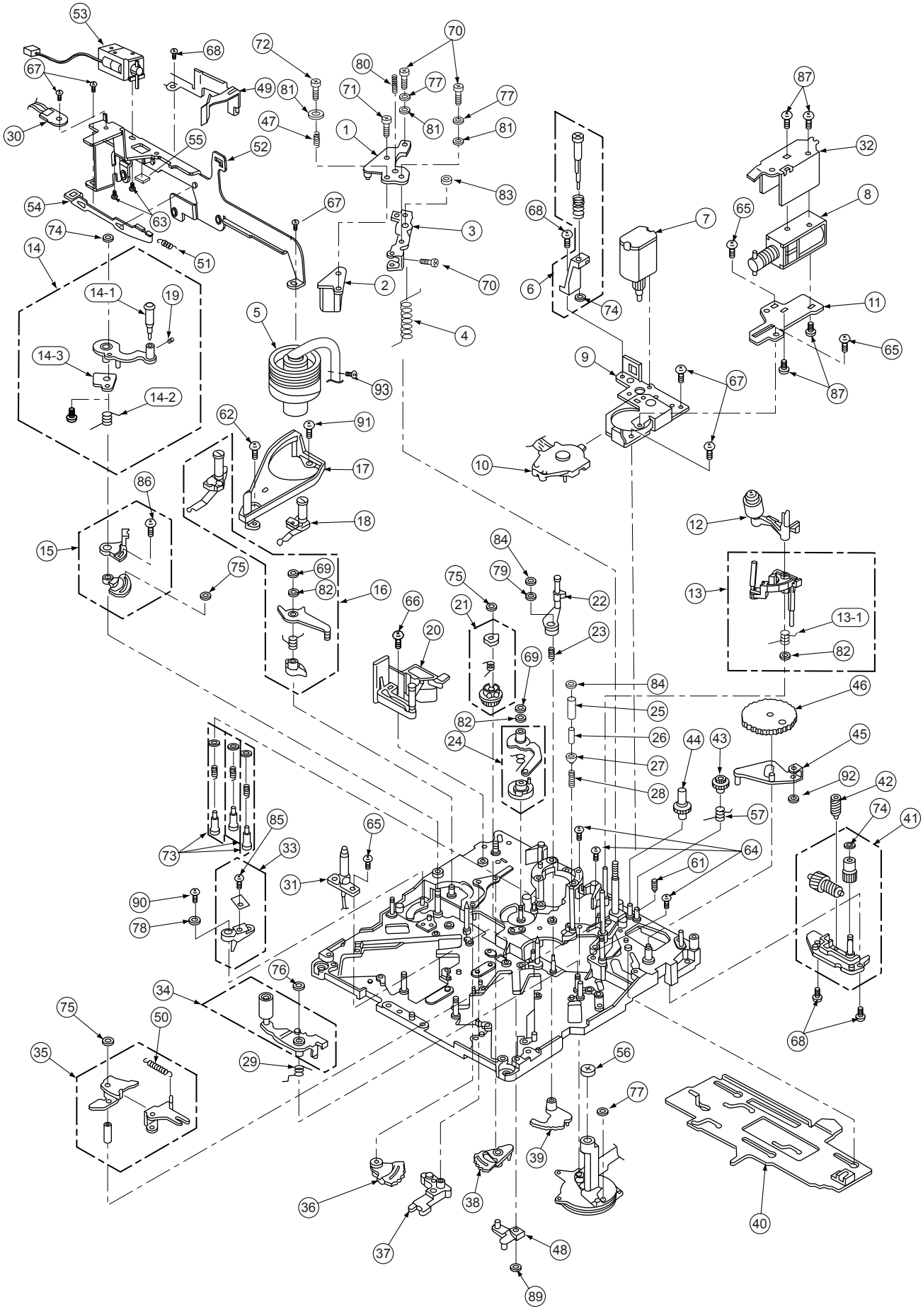


MECHANICAL CHASSIS ASSEMBLY (1)

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
1	VDG1189	IDLER GEAR A	1	
2	VXL2614	IDLER ARM ASS'Y	1	
3	VMB3011	IDLER SPRING	1	
4	VXP1700	IDLER GEAR ASS'Y	1	
5	VMM0422	E-E ROD	1	
6	VEM0658	S REEL MOTOR ASS'Y	1	(M)
7	VEM0659	T REEL MOTOR ASS'Y	1	(M)
8	VMS5923	REEL OUTER RAIL	2	
9	VMS5924	REEL INNER RAIL	2	
10	VMA9727	RAIL TABLE STOPPER (T)	1	
11	VMA0G63	REEL TABLE STOPPER (S)	1	
12	VMD2588	BRAKE RELEASE	1	
13	VEK7694C	CASSETTE DOWN PHOTO ASS'Y	1	
13-1	0N1004-R	PHOTO INTERRUPTER	1	
14	VMA9729	LOCK RELEASE BASE	1	
15	VXL3062	S BRAKE ARM	1	
16	VMB3137	S BRAKE SPRING L	2	
17	VMB3139	SLIDE ROD SPRING	1	
18	VXL2754	SLIDE ROD	1	
19	VXA5892	BRAKE BASE	1	
20	VMB3168	LOCK SPRING	1	
21	VXL3063	T BRAKE ARM	1	
22	VXL2615C	CONNECTION ARM B	1	
23	VMB2973	ARM RELEASE SPRING	1	
24	VXL2653C	CONNECTION ARM C	1	
25	VMA9387	SOLENOID BASE	2	
26	VSJ0216	SOLENOID	2	(M)
27	VEK7692	SENSOR HOLDER	2	
28	VXK1661C	SUB CHASSIS	1	
31	VSS0510	CONTROL SWITCH	1	
32	VXA6254	L SWITCH BASE B ASS'Y	1	
35	VMA9784	LOCK PIN GUIDE PLATE	1	
36	VMA0G47	EARTH CONDUCTOR	1	
51	VMX1061	WASHER	1	
52	VMX2391	CUT WASHER	1	
53	XYN2+J5	SCREW	4	
54	XQN2+CF4	SCREW	5	
55	XQN2+A3	SCREW	1	
56	VMX0967	CUT WASHER	3	
57	XQN2+CF3	SCREW	5	
58	XYN3+C5	SCREW	3	
59	XQN2+A2	SCREW	4	
61	XQN2+CJ5	SCREW	1	
62	VHD0995	SCREW	8	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks

MECHANICAL CHASSIS ASSEMBLY (2)

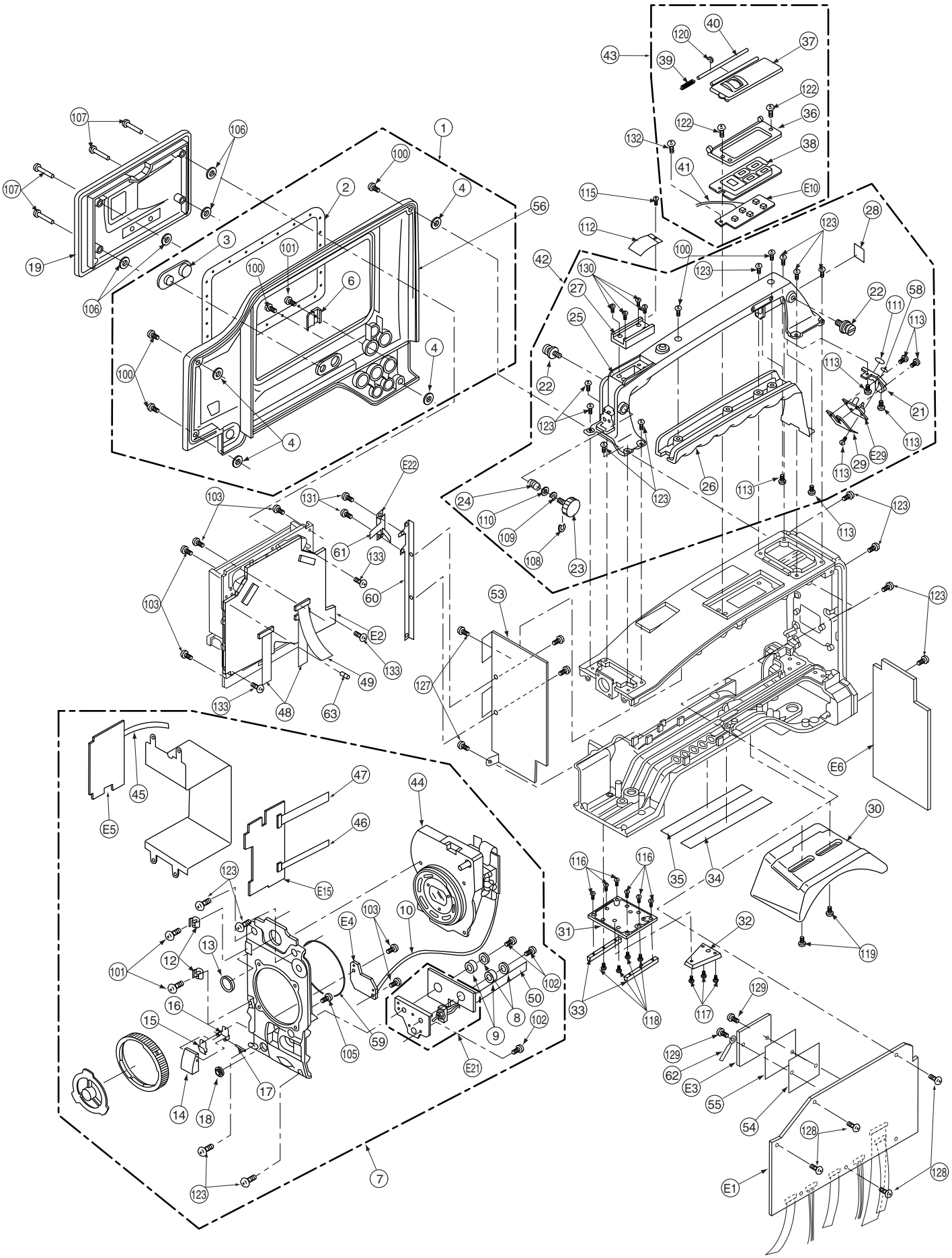


MECHANICAL CHASSIS ASSEMBLY (2)

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
1	VXA5554	A/C HEAD BASE (1) ASS'Y	1	
2	VED0419	A/C HEAD	1	(M)
3	VXA6067	A/C HEAD BASE (2) ASS'Y	1	
4	VMB2935	A/C HEAD HIGHT SPRING	1	
5	VEG1499	CYLINDER UNIT	1	(M)
6	VXA5715C	EMARGENCY SHAFT HOLDER ASS'Y	1	
7	VEM0645C	LOADING MOTOR (1) ASS'Y	1	
8	VSJ0227	PINCH SOLENOID	1	(M)
9	VXA5584C	MOTOR ANGLE ASS'Y	1	
10	VES0918C	MODE SW ASS'Y	1	
11	VMA0A35	PINCH SOLENOID BASE	1	
12	VXL3027C	CLEANING ARM ASS'Y	1	
13	VXL2870C	T2 ARM ASS'Y	1	
13-1	VMB3304	T2 ARM SPRING	1	
14	VXL2831	TENSION ARM A ASS'Y	1	(M)
14-1	VXP1761	TENSION ROLLER	1	
14-2	VMB3220	TENSION LEG SPRING	1	
14-3	VXA6173	MAGNET HOLDER ASS'Y	1	
15	VXA5791C	TENSION REG. SPRING HOOK	1	
16	VXL2709	S1 LOADING ARM ASS'Y	1	(M)
17	VMD3731	LOADING RAIL	1	
18	VXA6378	T1 BOAT ASS'Y	1	(M)
19	VHD0561	HEX SCREW	1	
20	VXA6052	S POST BASE A ASS'Y	1	(M)
21	VXP1683C	T4 CONNECTION GEAR ASS'Y	1	
22	VXL2772	T4 ARM ASS'Y	1	
23	VMB2772	T4 THRUST SPRING	1	
24	VXL2954	T LOADING ARM ASS'Y	1	
25	VMS5906	T3 UPPER FRANGE	1	
26	VMS5905	T3 SLEEVE	1	
27	VMS5904	T3 LOWER FRANGE	1	
28	VMB2929	T3 SPRING	1	
29	VMB2933	PINCH RELEASE SPRING	1	
30	VEK7927	INSULLATION SENSOR	1	EYHS77Y7
31	VEK7691	LED HOLDER P.C.BOARD	1	
32	VMA9411	PINCH SOLENOID ANGLE	1	
33	VXA5820C	TENSION SENSOR ASS'Y	1	
34	VXL2835C	PINCH ARM ASS'Y	1	
35	VXL2588C	PINCH GUIDE ARM ASS'Y	1	
36	VXA5570C	T SECTOR GEAR ASS'Y	1	
37	VXL2838C	TENSION REG. GUIDE ARM	1	
38	VXA5567C	S SECTOR GEAR ASS'Y	1	
39	VXA5564C	T4 SECTOR GEAR ASS'Y	1	
40	VXA6348	MAIN ROD ASS'Y	1	
41	VXA5627C	THRUST SHAFT HOLDER ASS'Y	1	
42	VDG1166	MOTOR WARM GEAR	1	
43	VDG1443	EMARGENCY GEAR A	1	
44	VDG1444	MOTOR EMARGENCY GEAR B	1	
45	VXL2889C	MAIN CAM ARM ASS'Y	1	
46	VDG1168	MAIN CAM GEAR	1	(M)
47	VMB2937	A/C HEAD ADJUST SPRING	1	
48	VXL2600C	EJECT ARM ASS'Y	1	
49	VMD4130	T1 GUIDE ASS'Y	1	
50	VMB2934	SPRING	1	
51	VMB3051	CLEANER RETURN SPRING	1	
52	VXA6843C	CLEANER BASE A ASS'Y	1	
53	VXA6078C	CLEANER SOLENOID ASS'Y	1	
54	VMM0429	CLEANER INTERLOCK	1	
55	VMT0871	SILENCER PAD A	1	
56	VXQ0556	THRUST SCREW ASS'Y	1	(M)
57	VMB3192	SPRING	1	
61	VHD0356	SCREW	1	
62	XQN2+A3	SCREW	1	
63	XQN2+A2	SCREW	2	
64	XQN2+A35FZ	SCREW	3	
65	XQN2+AM2	SCREW	3	
66	XQN2+CF5	SCREW	1	
67	XQN2+CF3	SCREW	5	
68	XQN2+CF4	SCREW	4	
69	XUC12FP	E-RING	2	
70	XVE2B4FZ	HEX SCREW	3	
71	XVE2B6FP	HEX SCREW	1	
72	XVE2B12FP	HEX SCREW	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
73	VXQ0439	SCREW	3	
74	VMX0967	CUT WASHER	3	
75	VMX1061	WASHER	3	
76	VMX1079	CUT WASHER	1	
77	XWA2B	WASHER	3	
78	XWE2	WASHER	1	
79	XWE16VW	WASHER	1	
80	XXE2A6FP	HEX SCREW	1	
81	XWG2	WASHER	3	
82	XWGV15Z32G	WASHER	3	
83	VHD0045	NYLON NUT	1	
84	VHN0312	NUT	2	
85	XQN2+AQ3.5FZ	SCREW	1	
86	XQN2+AJ5	SCREW	1	
87	XQN2+A15	SCREW	4	
88	XQN2+A4FZ	SCREW	1	
89	VMX0967	CUT WASHER	1	
90	XQN2+A2	SCREW	1	
91	XQN2+CM3	SCREW	1	
92	XYN2+J5	SCREW	1	
93	XYN2+K4	SCREW	1	
*	VXY1650	MECHANISM	1	

CHASSIS FRAME ASSEMBLY (1)



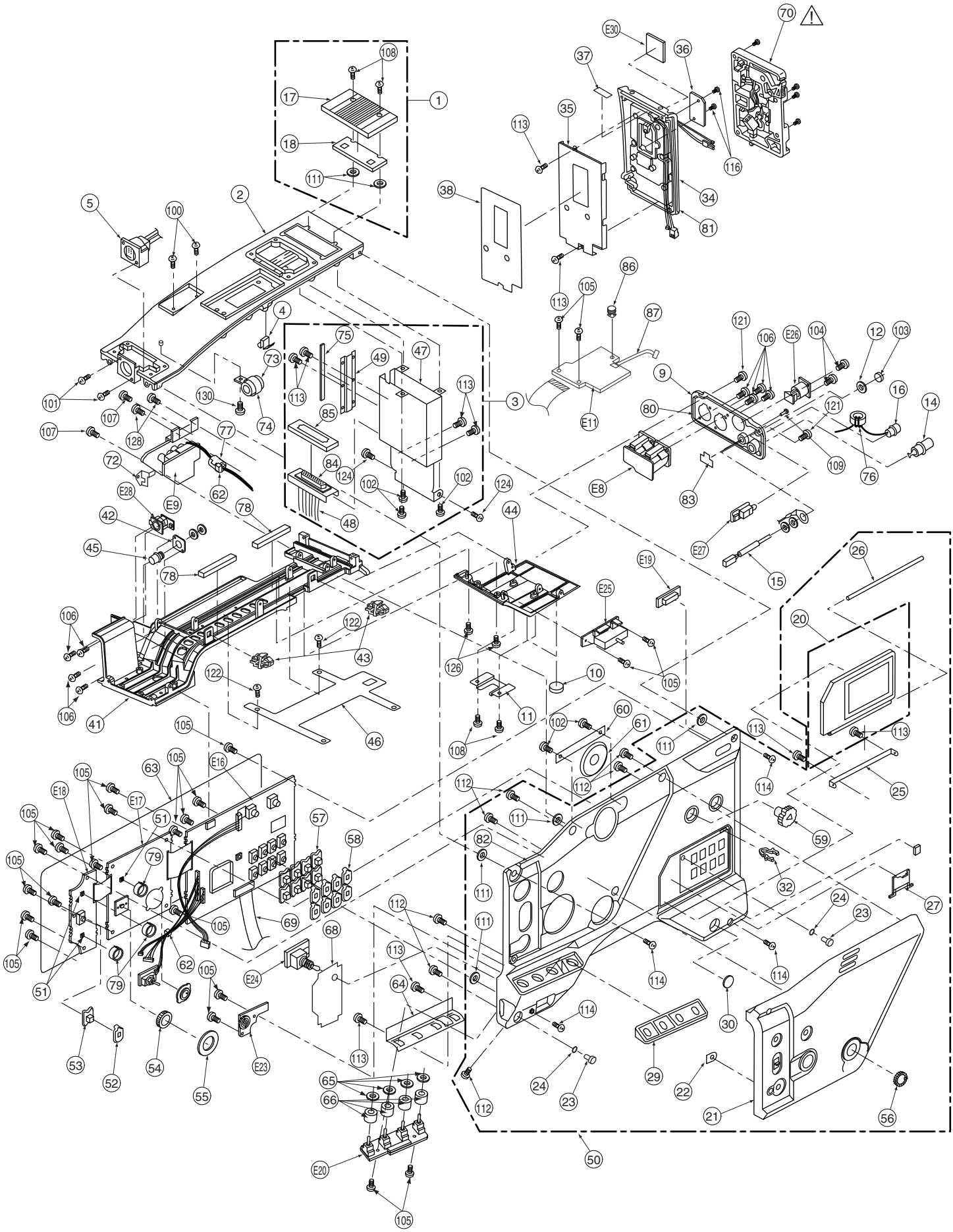
CHASSIS FRAME ASSEMBLY (1)

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
1	VYP8313	SIDE CASE (L) ASS'Y	1	
2	VMG1316	CASSETTE WATERPROOF GUM	1	
3	VMG1270	E.E CAP	1	
4	VMX1558	NYLON WASHER	4	
6	VJF0804	CABLE CLAMPER	1	
7	VYK9834	FRONT CASE (1) ASS'Y	1	
8	VMG0646	INSULATION SHEET	2	
9	VMT0738	SW INSULATION CUSHION	2	
10	VEE0N28	VTR S/S CABLE	1	
12	VJF1256	CABLE CLAMPER	2	
13	VMG0948	EVF RUBBER SHIELD	1	
14	VKF2485	FRONT DOOR	1	
15	VMC1210	FRONT DOOR SPRING	1	
16	VMP4850	FRONT DOOR ANGLE	1	
17	VMS4088	FRONT DOOR ANGLE PIN	1	
18	VGU8992	RUBBER BUSH KNOB	1	
19	VYF2689	CASSETTE COVER ASS'Y	1	
21	VGL0783	TALLY COVER	1	
22	VMS4284	BELT HOOK PIN	2	
23	VGU7080	SIDE U LOCK KNOB	1	
24	VMB1615	SPRING	1	
25	VKH0400	HANDLE	1	
26	VKF3338	HANDLE COVER	1	
27	VJF1421	SHU	1	
28	VMP7030	HANDLE SPACER	1	
29	VMP6780	BACK TALLY C.B.A. HOLDER ANGLE	1	
30	VMT1198	SHOULDER PAD	1	
31	VGM1824	FRONT FOOT BASE	1	
32	VGM1825	FRONT V EDGE	1	
33	VKA0299	FRONT FOOK	2	
34	VKN0159	BOTTOM NET	1	
35	VMT1200	BOTTOM CUSHION	1	
36	VGK2304Z	VTR OPERATION BASE	1	
37	VKF2817Z	VTR OPERATION DOOR	1	
38	VGU8218	VTR OPERATION BUTTON	1	
39	VMB2917	DOOR SPRING	1	
40	VMS5860	DOOR SHAFT	1	
41	VEE0N17	OPERATE CABLE	1	
42	VYH0297	HANDLE ASS'Y	1	
43	VYP8110	TOP PLATE OPERATION ASS'Y	1	
44	VEQ2452	HEAD OPTICAL ASS'Y	1	
45	VWJ21E5140L0	FLAT CABLE	1	
46	VWJ06E5100L0	FLAT CABLE	1	
47	VWJ16E5080L0	FLAT CABLE	1	
48	VWJ24E5075L0	FLAT CABLE	2	
49	VWJ40E5095L0	FLAT CABLE	1	
50	VWJ20E5100L0	FLAT CABLE	1	
53	VGF0901	BLIND PLATE	1	
54	VSC5302	VTR-SUB SHIELD PLATE	1	
55	VMZ3214	VTR-SUB INSULATION SHEET	1	
56	VMG1419A	SHIELD TUBE	1	
58	VMG0955	TOP PANEL	1	
59	VMG1416	WATERPROOF RUBBER	1	
60	VMP7023	D-SUB ANGLE	1	
61	VWJ20E5120L0	FLAT CABLE	1	
62	SHR330	CLAMPER	1	
63	VMS6032	SPACER	1	
100	XSB3+10FZ	SCREW	6	
101	XSB2+4FZ	SCREW	3	
102	XYN3+C6	SCREW	3	
103	XYN3+K6	SCREW	6	
105	XYN2+C4	SCREW	1	
106	VMX2605	WASHER	4	
107	XSB26+16FZ	SCREW	4	
108	XUC3FP	E-RING	1	
109	XWA4BFZ	WASHER	1	
110	XWE4FZ	WASHER	1	
111	VMG0956	P8 O-RING	1	
112	VMC1697	SPRING	1	
113	XYN2+F5	SCREW	7	
115	XSN2+4FC	SCREW	1	
116	XTS26+6J	SCREW	6	
117	XSB4+6FC	SCREW	3	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
118	XSS3+8FZ	SCREW	4	
119	XYN3+F8	SCREW	2	
120	XUC12VM	E-RING	1	
122	XSN2+6FZ	SCREW	2	
123	XSB3+8FZ	SCREW	16	
127	XYN26+C6	SCREW	2	
128	XYN26+F6FX	SCREW	4	
129	XYN26+K5	SCREW	2	
130	XSS2+6FZ	SCREW	4	
131	VHD1462	SCREW	2	
132	XTN2+4G	SCREW	1	
133	XYN26+K6	SCREW	3	
E1	VEP83551C	MAIN C.B.A.	1	
E2	VEP82241C	RF & SERVO C.B.A.	1	
E3	VEP83579A	VTR SUB C.B.A.	1	
E4	VEP80C03A	VTR S/S C.B.A.	1	
E5	WE600EKF1B	DRIVE C.B.A.	1	
E6	VEP81220C	POWER C.B.A.	1	
E10	VEP86149A	OPERATE C.B.A.	1	
E15	WE600EKE1B	PRE AMP P.C.BOARD	1	
E21	VEP80C02A	FRONT TOGGLE SW C.B.A.	1	
E22	VEP80C20A	REMOTE MAINTENANCE C.B.A.	1	
E29	VEP80A74A	BACK TALLY C.B.A.	1	

Components identified with the mark ⚠ have the special characteristics for safety.
When replacing any of these components, use only the same type.

CHASSIS FRAME ASSEMBLY (2)



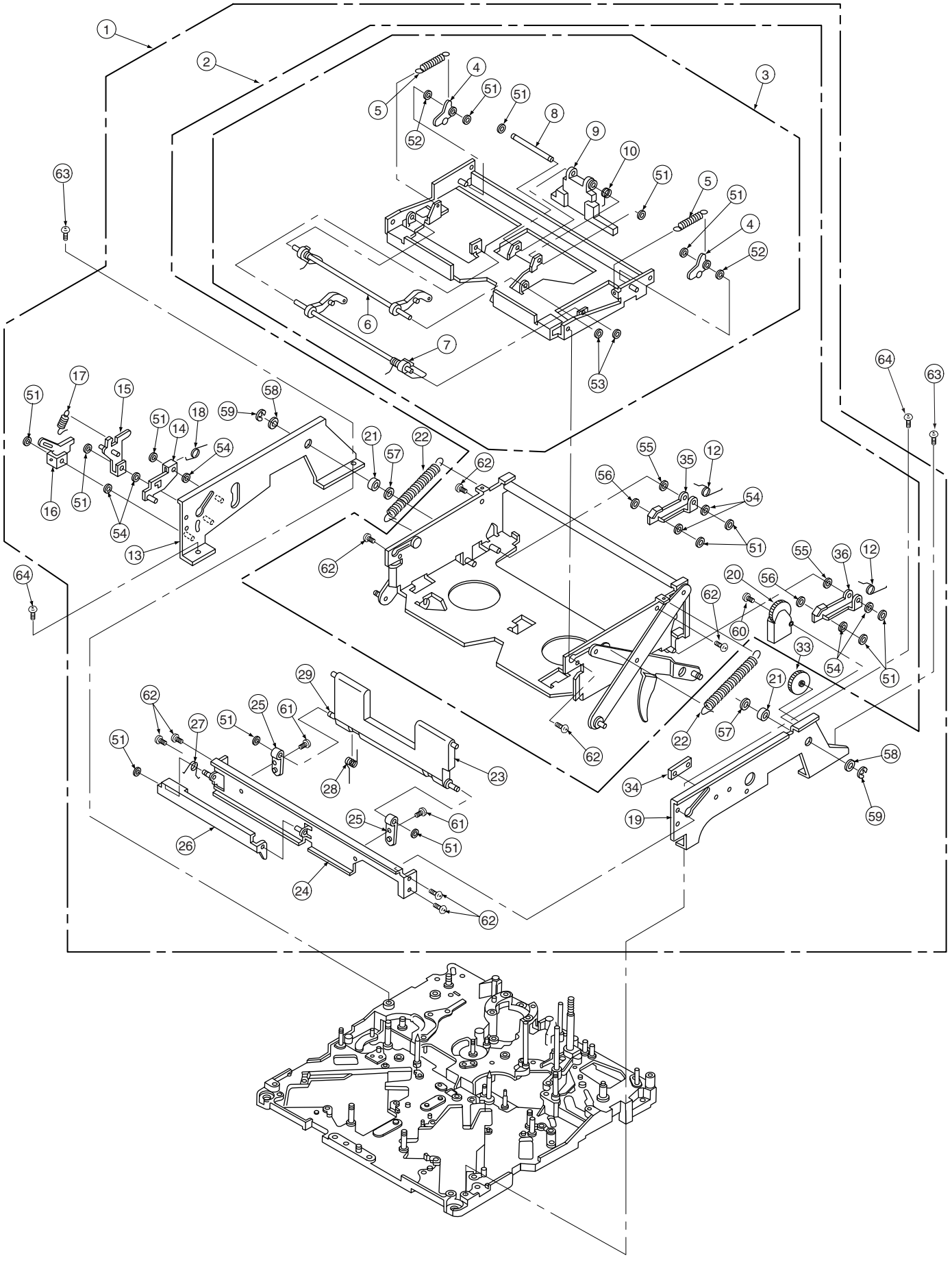
CHASSIS FRAME ASSEMBLY (2)

Components identified with the mark ⚠ have the special characteristics for safety.
When replacing any of these components, use only the same type.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
1	VYF2800	RECEIVER COVER ASS'Y	1	
2	VGM1782	TOP CASE	1	
3	VXA7313	RECEIVER BOX ASS'Y	1	
4	VJF0909	CABLE CLAMPER	1	
5	VEE0N18	VE CABLE	1	
9	VGM1820	JACK CASE	1	
10	VMG0954	REAR FOOT	2	
11	VMP6370	BACK LOCK ANGLE	1	
12	VMX0531	CLATCH SPACER	1	
14	VJJ0091	BNC JACK	1	
15	VEE0N27	GELOCK CABLE	1	
16	VEE0Q37	DC OUT CABLE	1	
17	VGF0885	RECEIVER COVER	1	
18	VMG1378	WATERPROOF RUBBER	1	
20	VYF2790	OPERATION DOOR ASS'Y	1	
21	VMT1253	FACE PAD	1	
22	VGL0924	LED SPRING LIGHT	1	
23	VGU7698	OPERATION BUTTON	2	
24	VMG1418	RAIN COVER RUBBER (B)	2	
25	VMP7025	DOOR FIX ANGLE	1	
26	VMS5520	OPERATION DOOR SHAFT	1	
27	VKF3340	BATTERY HOLDER DOOR	1	
29	VGK2705	TOGGLE SW PLATE	1	
30	VMG1417	BRAKER CAP	1	
32	VGQ0550	HOLDER	1	
34	VGM1783	BACK CASE	1	
35	VSC5295	BACK CASE COVER	1	
36	VGF0709	BACK CASE COVER	1	
37	VGF0890	BATTERY CABLE HOLD PLATE	1	
38	VMZ3150	INSULATION SHEET	1	
41	VGM1784	BOTTOM CASE	1	
42	VMP4853	LENS CONNECTOR PLATE	1	
43	VJF1309	PIERCE HOLDER	2	
44	VEJ1992	JACK CASE ASS'Y	1	
45	VEE0N09	LENS CABLE	1	
46	VKC0584	SIDE R HINGE SHEET	1	
47	VMP6776	RECEIVER BOX (A)	1	
48	VMP7041	RECEIVER BOX (B)	1	
49	VMP6778	RECEIVER BOX (C)	1	
50	VYP8312	SIDE CASE (R) 1 ASS'Y	1	
51	VGU8993	OPERATION BUTTON	3	
52	VGU8843	IRIS LEVEL KNOB	1	
53	VMG1379	IRIS LEVEL KNOB RUBBER	1	
54	VGU8844	SCENE FILE KNOB	1	
55	VMG1380	SCENE FILE KNOB RUBBER	1	
56	VGU7077	VR KONB A	1	
57	VGU7688	SLIDE SW COVER	8	
58	VQL0L39	SLIDE SW SHEET	8	
59	VGU6512	VR KNOB	2	
60	VMP3332	CODE CLAMPER	1	
61	VEK9293	SPEAKER ASS'Y	1	
62	VJF1158	CLAMPER	1	
63	VMZ3134	INSULATION SHEET	1	
64	VSC5250	SIDE R EARTH ANGLE	1	
65	VMG0646	INSULATION SHEET	4	
66	VMT0738	SW INSULATION CUSHION	4	
68	VMZ3168	POWER_SW INSULATION SHEET	1	
69	VWJ18C2140L0	FLAT CABLE	1	
⚠ 70	VJF1347	BATTERY HOLDER	1	
72	VSC5273	SHIELD ANGLE	1	
73	VLP0186	FERRITE CORE	1	J0KE00000027
74	VJF0980	CLAMPER	1	
75	VMT0517	CONDUCTIVE GASKET	1	
76	J0KE00000022	FERRITE CORE	1	
77	J0KG00000011	FERRITE CORE	1	
78	VMT0803	GASKET	2	
79	VGQ6174	BUTTON SUPPORTER	3	
80-82	VMG1419A	SHIELD TUBE	3	
83	VGF0898	DV BLINDER	1	
84	VEE0S35	25P HARNESS	1	
85	VMT1265	CUSHION	1	
86	VKC0554	SPACER	1	
87	VEE0S34	CUE2 HARNESS	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
100	XSB4+4FZ	SCREW	2	
101	XSS2+4FZ	SCREW	2	
102	XYN3+C4	SCREW	5	
103	VHN0194	SPACER	1	
104	XSN26+6FC	SCREW	2	
105	XYN26+K6	SCREW	23	
106	XSN26+8FZ	SCREW	8	
107	XYN3+C6	SCREW	2	
108	XSB3+6FZ	SCREW	4	
109	XQN16+B4FZ	SCREW	1	
111	VMX1558	NYLON WASHER	6	
112	XTV3+6GFZ	SCREW	7	
113	XYN26+C4	SCREW	10	
114	XSB3+10FZ	SCREW	4	
116	XSB3+4FZ	SCREW	2	
121	XSN3+6FZ	SCREW	2	
122	VHD0325	SCREW	2	
124	XYN26+C6	SCREW	2	
126	XSB3+8FZ	SCREW	2	
128	XYN26+C6	SCREW	2	
130	XYN3+F6	SCREW	1	
E8	VEP80C06B	REAR JACK C.B.A.	1	
E9	VEP80C07B	AV OUT C.B.A.	1	
E11	VEP84376A	CUE C.B.A.	1	
E16	VEP80B98A	R SIDE C.B.A.	1	
E17	VEP80B99A	SCENE FILE C.B.A.	1	
E18	VEP80C00A	AUTO IRIS C.B.A.	1	
E19	VEP80C01B	LED C.B.A.	1	
E20	VEP80B94A	TOGGLE SW C.B.A.	1	
E23	VEP80B96A	MENU JOG C.B.A.	1	
E24	VEP80B97A	POWER SW C.B.A.	1	
E25	VEP80C08A	BREAKER C.B.A.	1	
E26	VEP00X87D	DC INPUT C.B.A.	1	
E27	VEP000U0A	HEAD PHONE C.B.A.	1	
E28	VEP80C12A	FRONT MIC C.B.A.	1	
E30	VEP000W0A	FILTER C.B.A.	1	

CASSETTE UP ASSEMBLY



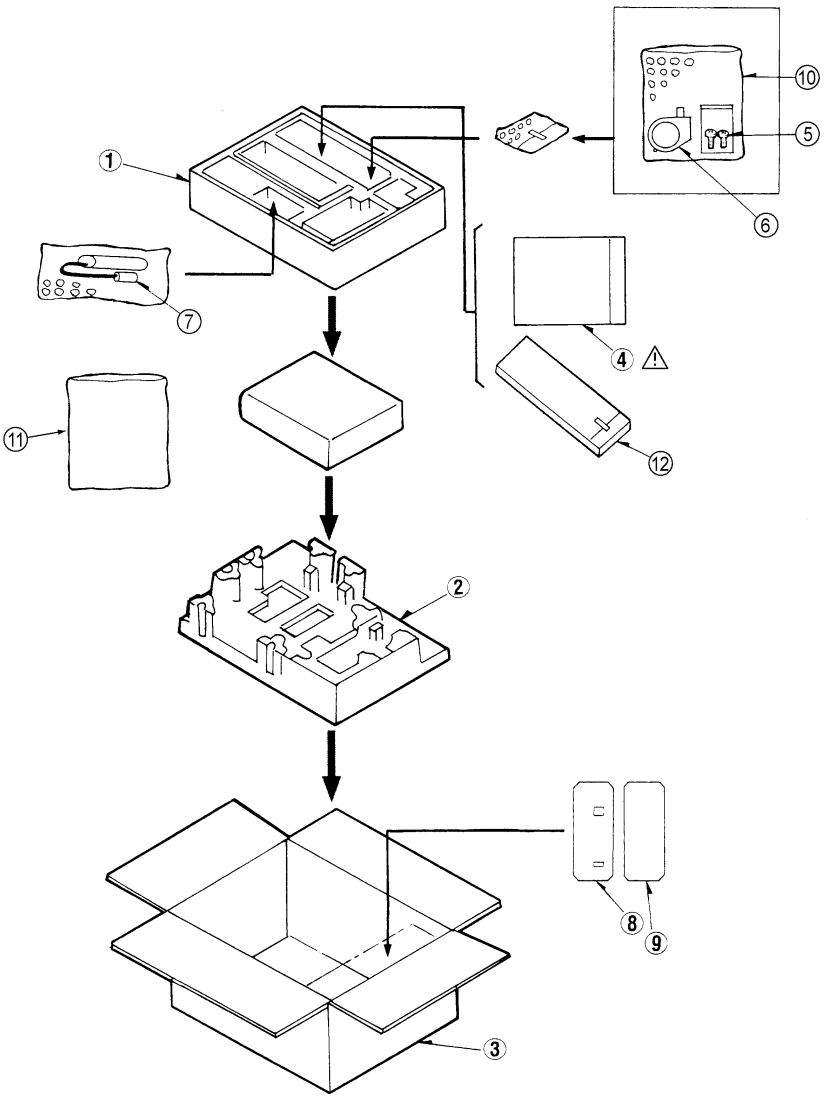
CASSETTE UP ASSEMBLY

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
1	VXA7343	CASSETTE UP ASS'Y	1	
2	VXA7338	HOLDER	1	
3	VXA6882	TOP PLATE	1	
4	VXL2696	PRESSURE LEVER	2	
5	VMB3063	PRESSURE LEVER SPRING	2	
6	VXA5896	PROTECTOR SHAFT (2) L	1	
7	VXA5897	PROTECTOR SHAFT (2) R	1	
8	VMS6198	PROTECTOR SHAFT	1	
9	VMD2789	PROTECTOR SHAFT (1)	1	
10	VMB3135	SHAFT RELESE SPRING	1	
12	VMB3140	LOCK RELEASE LEVER SPRING	2	
13	VXA6885	SIDE PLATE (L)	1	
14	VXL3050	RATCHET ARM	1	
15	VXL3060	RATCHET LOCK LEVER	1	
16	VXL3052	RATCHET LEVER	1	
17	VMB2981	RATCHET SPRING	1	
18	VMB3146	LOCK LEVER SPRING	1	
19	VXA6886	SIDE PLATE (R)	1	
20	VXP0891	DUMPER	1	
21	VDP0967	MAIN ARM ROLLER	2	
22	VMB3133	UP SPRING	2	
23	VXA6853	PROTECTOR PLATE	1	
24	VXA6887	BACK PLATE	1	
25	VMD2793	SHAFT	2	
26	VML3555	RATCHET TIMING LEVER	1	
27	VMB2982	SPRING	1	
28	VMB3134	PLATE RELEASE SPRING	1	
29	VMS6211	PROTECTOR PLATE SHAFT	1	
33	VDG1456	DUMPER GEAR	1	
34	VMD0997	HOLDER GUIDE	1	
35	VML3651	RELEASE LEVER (L)	1	
36	VML3652	RELEASE LEVER (R)	1	
51	VMX0967	CUT WASHER	14	
52	XWGV2D5G	WASHER	2	
53	VMX1079	CUT WASHER	2	
54	XWGV2Y5G	WASHER	7	
55	XWGV2Z5G	WASHER	2	
56	XWGV2F5G	WASHER	2	
57	XWGV4Y8G	WASHER	2	
58	XWGV3Y8G	WASHER	2	
59	XUC2FP	E-RING	2	
60	XYN2+J5	SCREW	1	
61	XQN2+A3	SCREW	2	
62	VHD1323	SCREW	8	
63	XQN2+CF3	SCREW	2	
64	XYN2+C4	SCREW	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks

PACKING PARTS ASSEMBLY

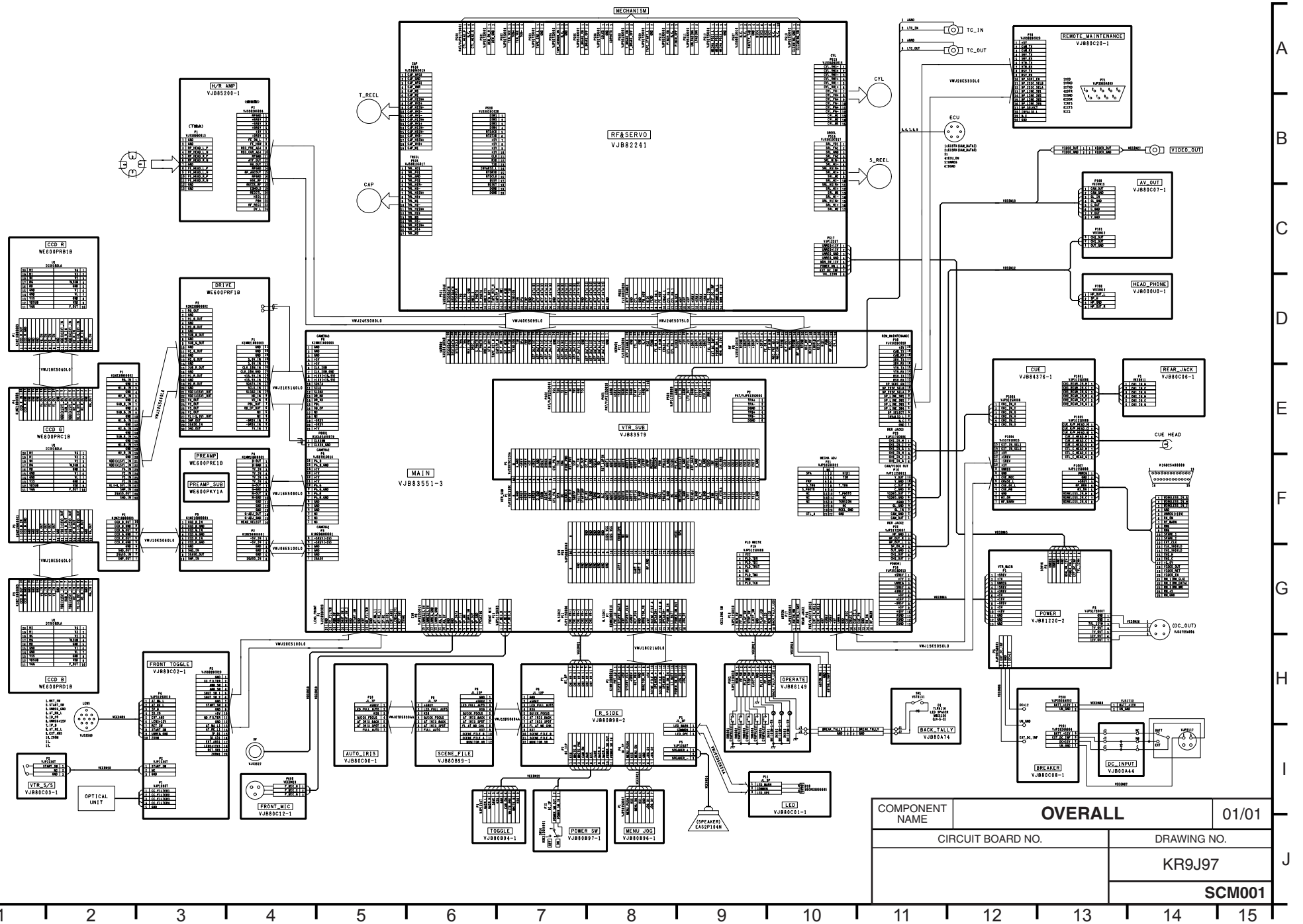
Components identified with the mark⚠have the special characteristics for safety.
When replacing any of these components, use only the same type.

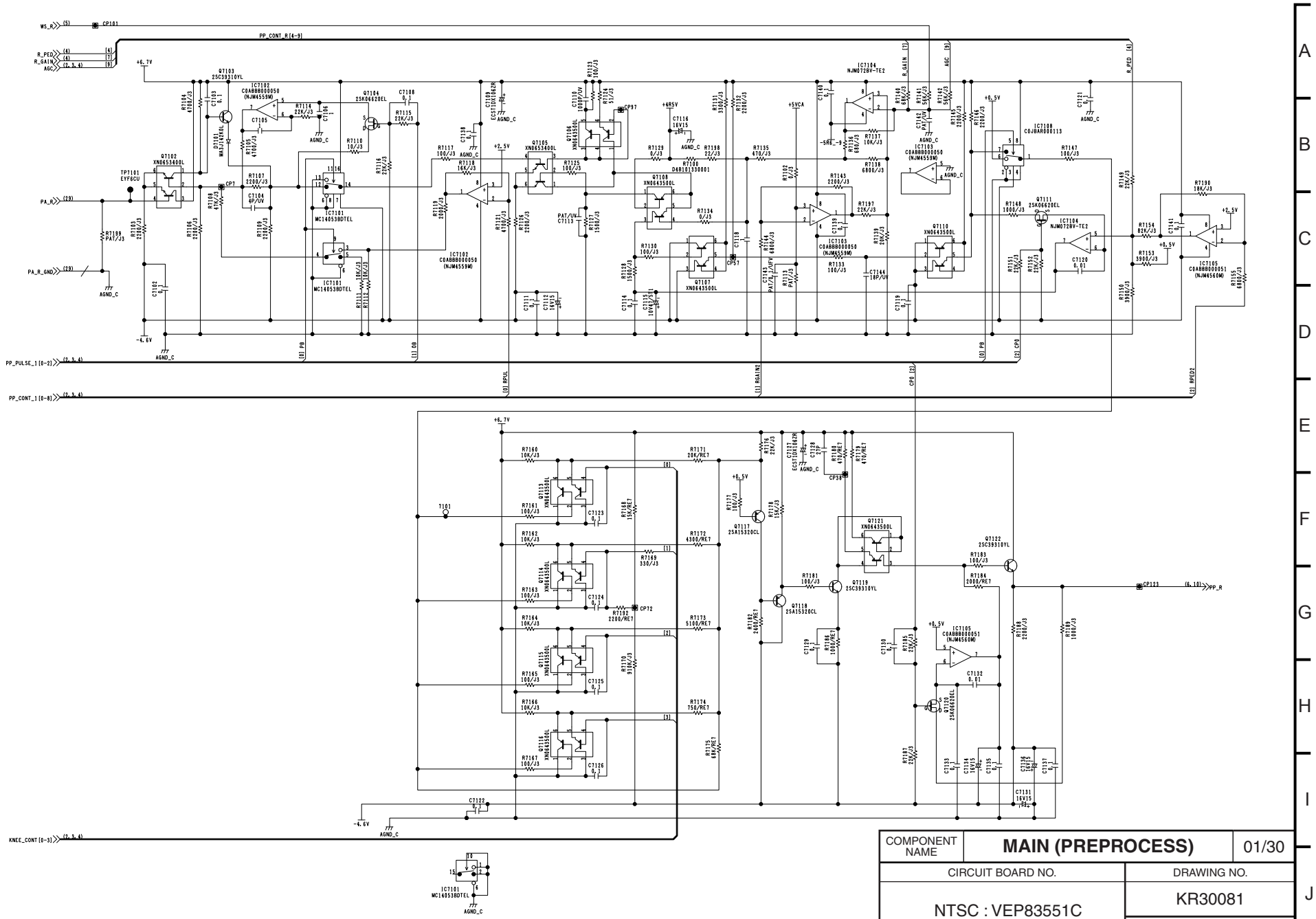


PACKING PARTS ASSEMBLY

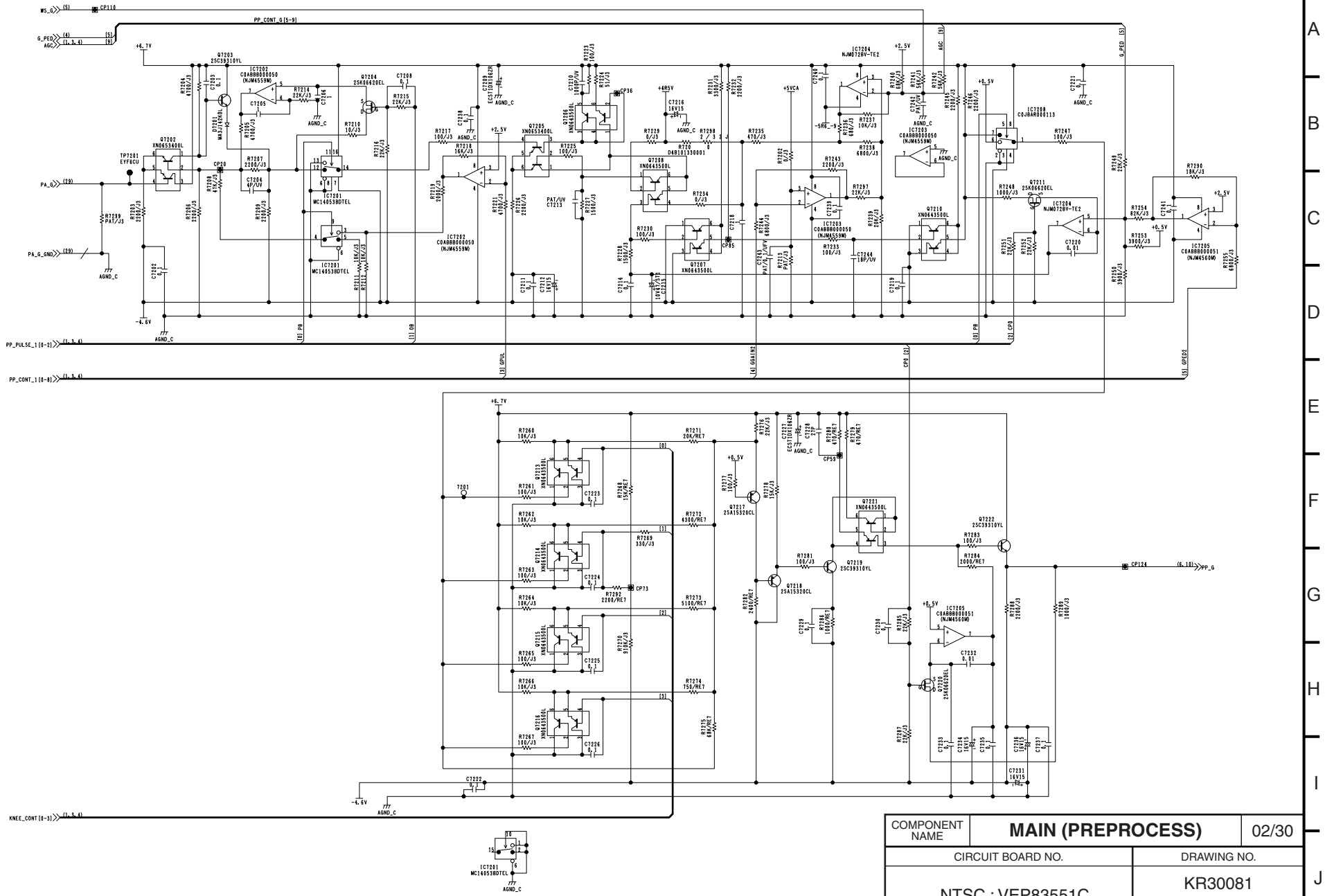
Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
1	VPN5616	CUSHION (UPPER)	1	
2	VPN5552	CUSHION (LOWER)	1	
3	VPG0L72	PACKING CASE	1	
⚠ 4	VQT9414	OPERATING INSTRUCTIONS	1	
5	XSB4+12FXKS	SCREW	2	
6	VYC0814KIT	MIC HOLDER ASS'Y	1	
7	VSQ1187	MIC	1	
8	VYC0853	TRIPOD ADAPTOR	1	
9	VPF0890	POLYETHYLENE BAG	1	
10	VPF1016	POLYETHYLENE BAG	1	
11	VPF0724	POLYETHYLENE BAG	1	
12	VFC2588	SHOULDER BELT	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks

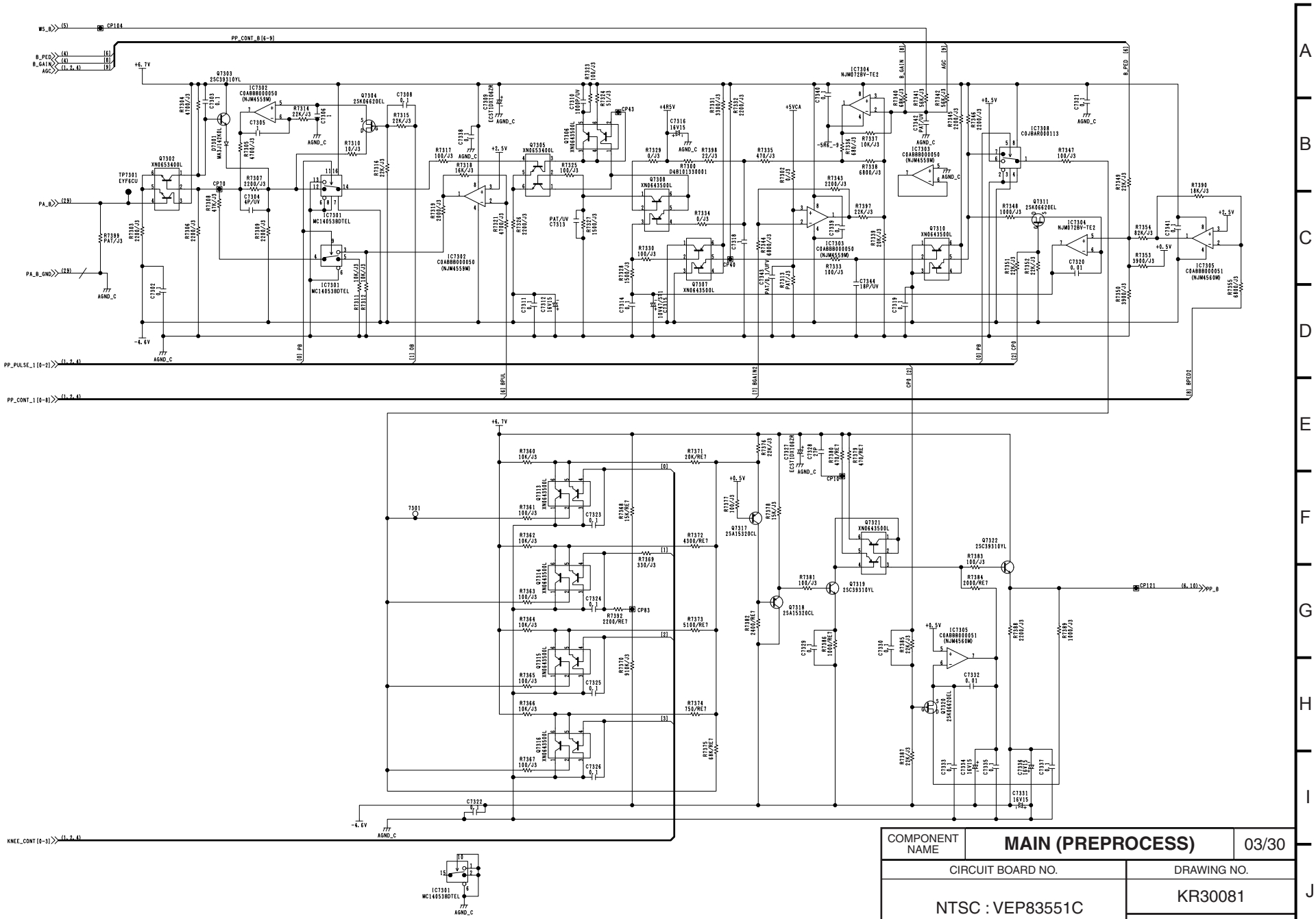

MECHANISM
RF&SERVO
VJB82241
MAIN
VJB83551-3
H/R AMP
VJB85200-1
DRIVE
WE600PRF1B
PREAMP
WE600PRE1B
PREAMP_SUB
WE600PKY1A
CCD R
WE600PRB1B
CCD G
WE600PRC1B
CCD B
WE600PRD1B
VTR_SUB
VJB83579
REMOTE_MAINTENANCE
VJB80C20-1
AV_OUT
VJB80C07-1
HEAD_PHONE
VJB8000U0-1
CUE
VJB84376-1
REAR_JACK
VJB80C08-1
CUE HEAD
POWER
VJB81220-2
BREAKER
VJB80C08-1
DC_INPUT
VJB80A44
OPERATE
VJB86149
BACK_TALLY
VJB80A74
R_SIDE
VJB80B98-2
FRONT TOGGLE
VJB80C02-1
VTR_S/S
VJB80C03-1
OPTICAL UNIT
AUTO_IRIS
VJB80C00-1
SCENE_FILE
VJB80B99-1
FRONT_MIC
VJB80C12-1
TOGGLE
VJB80B94-1
POWER SW
VJB80B97-1
MENU JOG
VJB80B96-1
LED
VJB80C01-1
(SPEAKER)
EASSP104N
T_REEL
S_REEL
CAP
CYL
ECU
TC_IN
TC_OUT
VIDEO_OUT
(DC_OUT)
COMPONENT NAME
OVERALL
01/01
CIRCUIT BOARD NO.
DRAWING NO.
KR9J97
SCM001



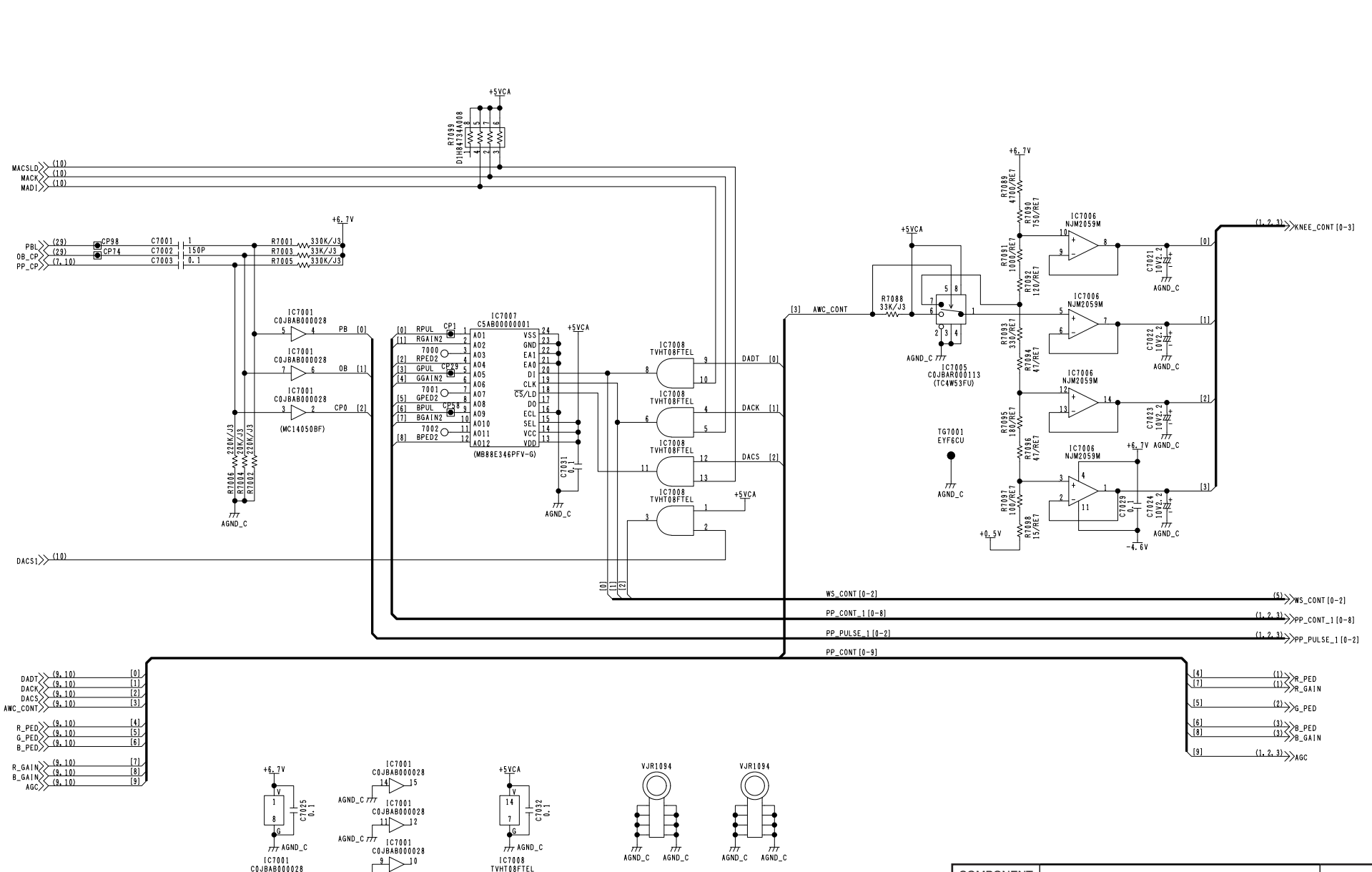
COMPONENT NAME	MAIN (PREPROCESS)	01/30
CIRCUIT BOARD NO.		DRAWING NO.
NTSC : VEP83551C		KR30081
		SCM002



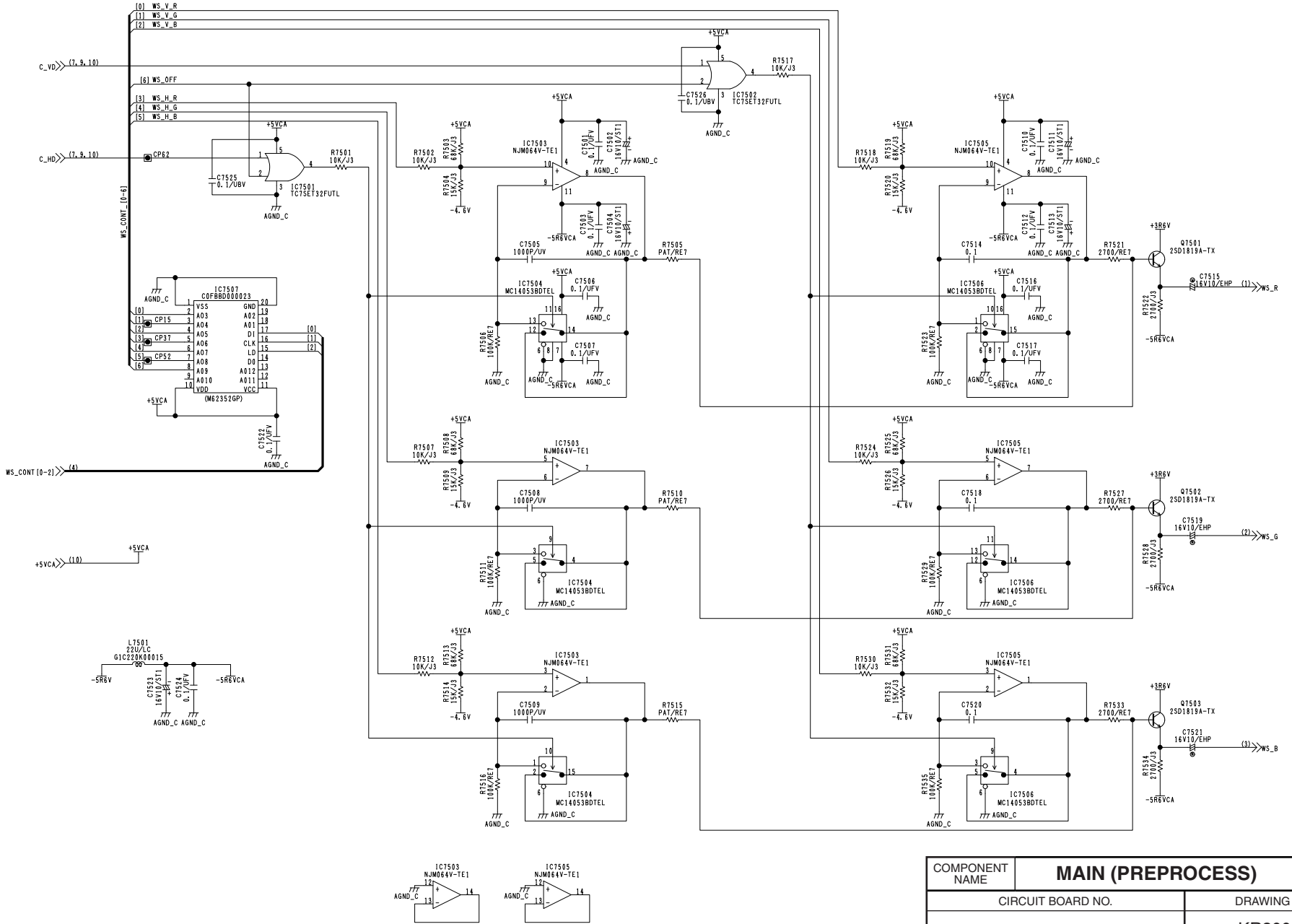
COMPONENT NAME	MAIN (PREPROCESS)	02/30
CIRCUIT BOARD NO.		DRAWING NO.
NTSC : VEP83551C		KR30081
		SCM003



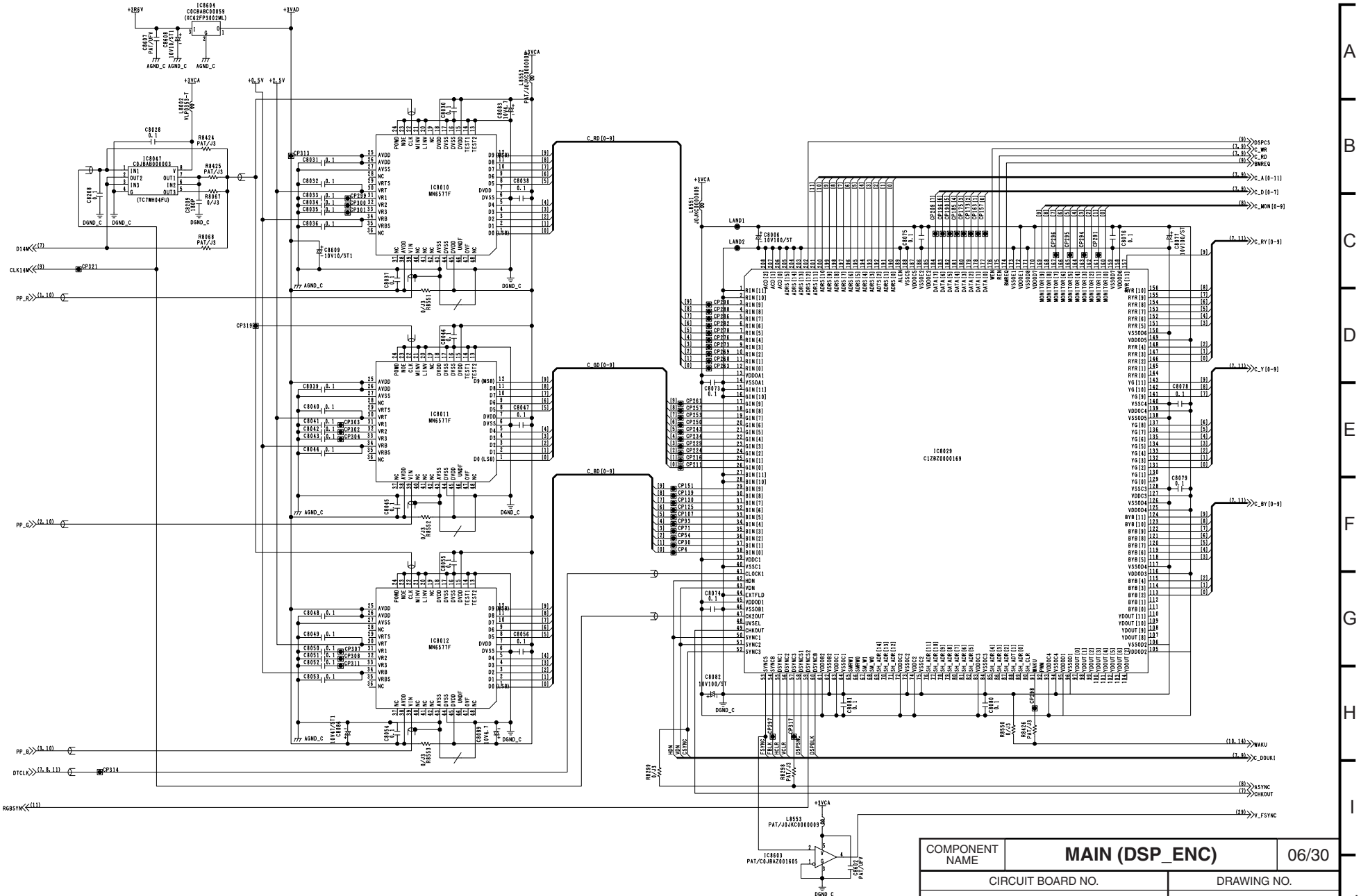
COMPONENT NAME	MAIN (PREPROCESS)	03/30
CIRCUIT BOARD NO.		DRAWING NO.
NTSC : VEP83551C		KR30081
		SCM004



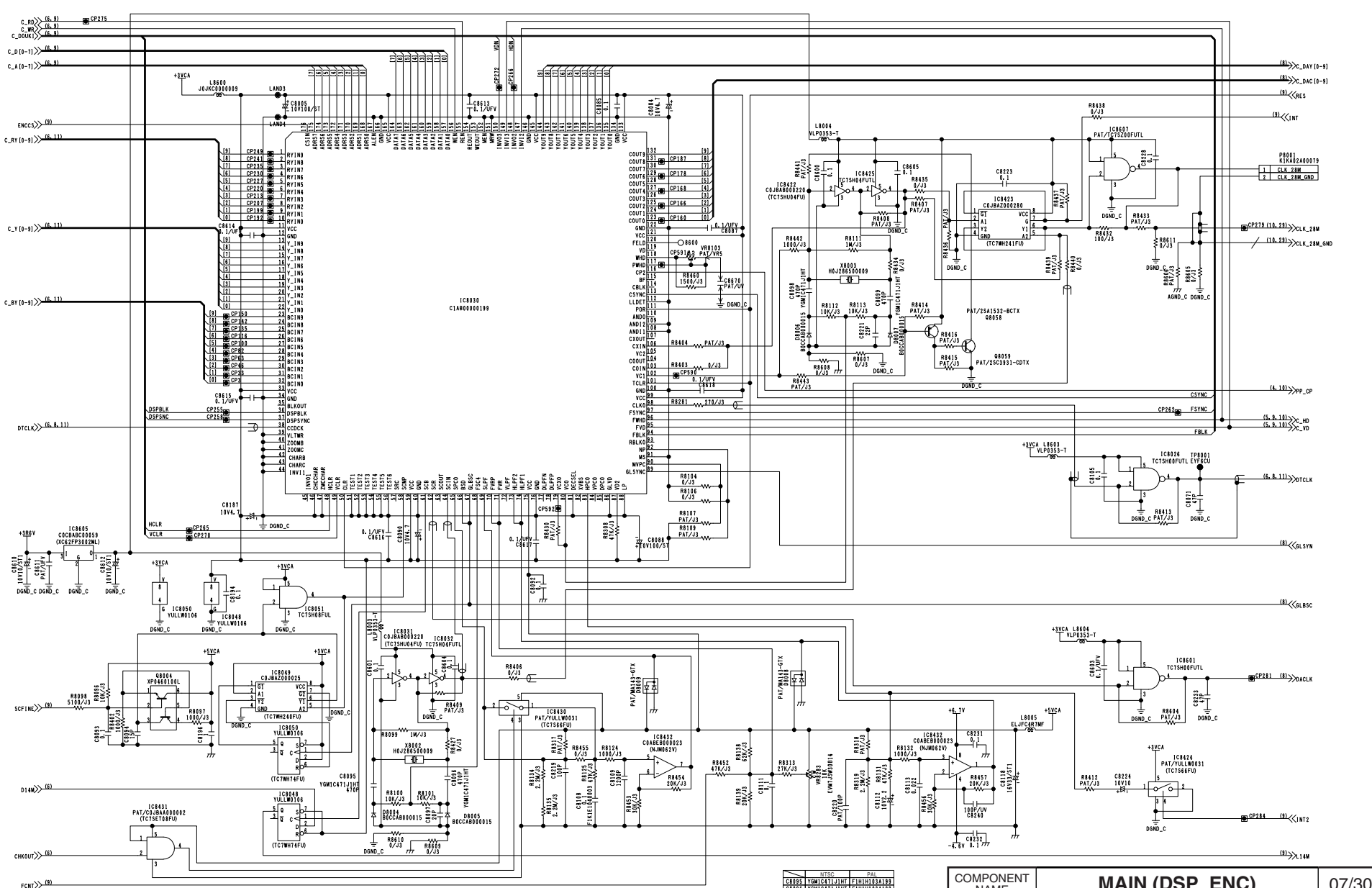
COMPONENT NAME	MAIN (PREPROCESS)	04/30
CIRCUIT BOARD NO.		DRAWING NO.
NTSC : VEP83551C		KR30081
		SCM005



COMPONENT NAME	MAIN (PREPROCESS)	05/30
CIRCUIT BOARD NO.		DRAWING NO.
NTSC : VEP83551C		KR30081
		SCM006



COMPONENT NAME	**MAIN (DSP_ENC)**	06/30
CIRCUIT BOARD NO.	DRAWING NO.	
NTSC : VEP83551C	KR30081	
	SCM007	



	NTSC	PAL
IC8424	PAT	YULLW0031
IC8430	PAT	YULLW0031
IC8431	PAT	COJBAA000002

	NTSC	PAL
X8002	H0J286500009	H0J177500009
X8003	H0J286500009	H0J285500009

	NTSC	PAL
VR8103	PAT/VR5	EVM7JUW30B13

	NTSC	PAL
R8106	0/J3	PAT/J3
R8109	PAT/J3	0/J3
R8124	1000/J3	470/J3
R8125	47K/J3	10K/J3
R8313	27K/J3	18K/J3
R8319	22M((1/10W)	PAT/J3

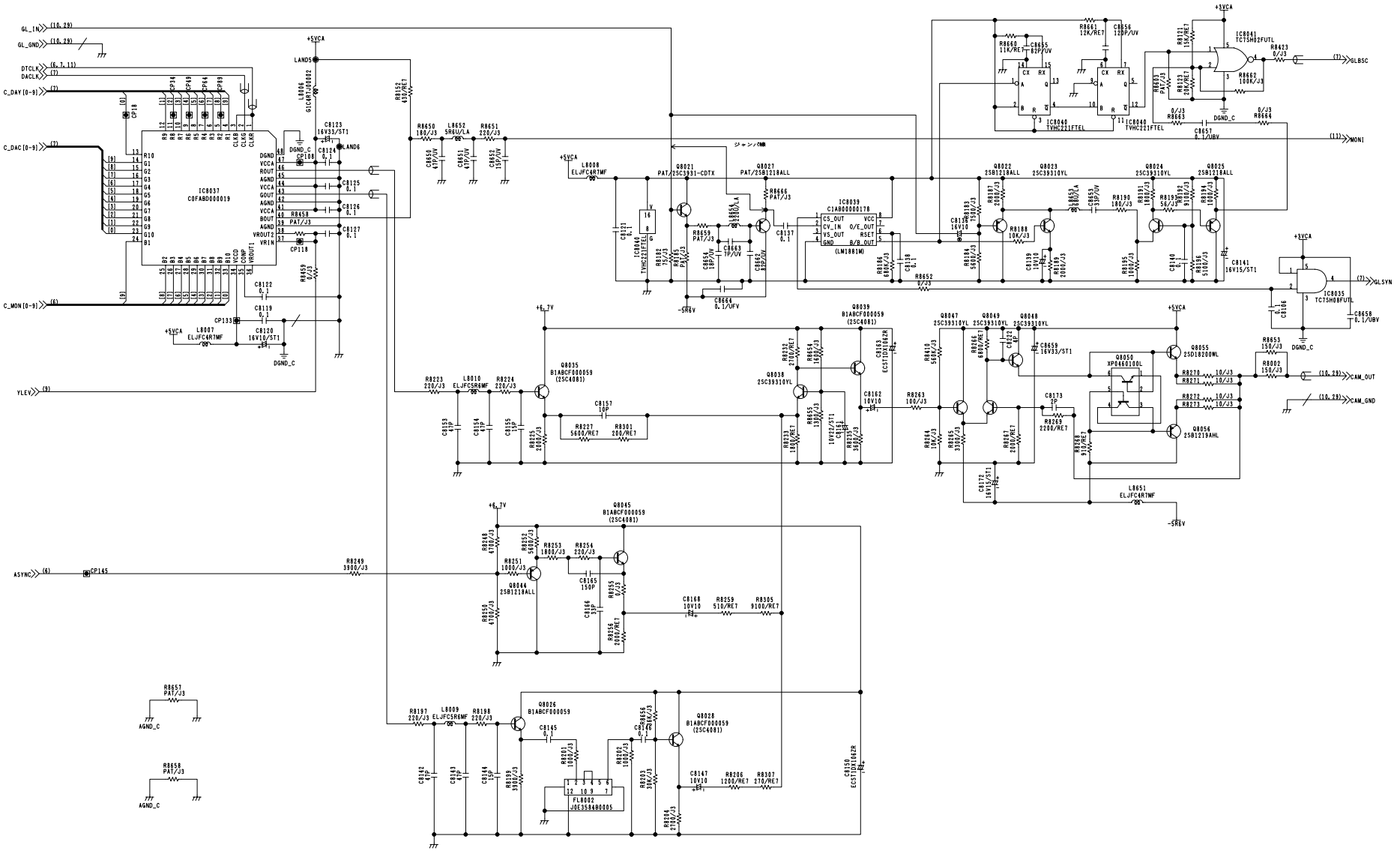
	NTSC	PAL
R8404	PAT/J3	0/J3
R8406	0/J3	PAT/J3
R8407	PAT/J3	0/J3
R8430	PAT/J3	0/J3
R8435	0/J3	PAT/J3
R8436	PAT/J3	0/J3

	NTSC	PAL
R8437	PAT/J3	0/J3
R8438	0/J3	PAT/J3
R8439	PAT/J3	0/J3
R8440	0/J3	PAT/J3
R8442	1000/J3	PAT/J3
R8455	0/J3	PAT/J3

	NTSC	PAL
R8457	20K/J3	10K/J3
R8460	1500/J3	PAT/J3
R8138	62K/J3	PAT/J3
R8139	20K/J3	15K/J3
R8412	PAT/J3	330/J3

	NTSC	PAL
C8095	YGM1C471J1HT	F1H1H103A189
C8096	YGM1C471J1HT	F1H1H103A199
C8097	F1H1H200A004	F1H1H330A231
C8108	F1K1E1040003	K216A1R0R
C8113	F1H1E223A002	F1H1H103A190
C8223	F1H1H101A231	PAT
C8221	F1H1H220A231	F1H1H390A231
C8224	PAT	F3F1A1060001
C8670	PAT/UV	100P/UV

COMPONENT NAME	**MAIN (DSP_ENC)**
	07/30
CIRCUIT BOARD NO.	DRAWING NO.
NTSC : VEP83551C	KR30081
	SCM008

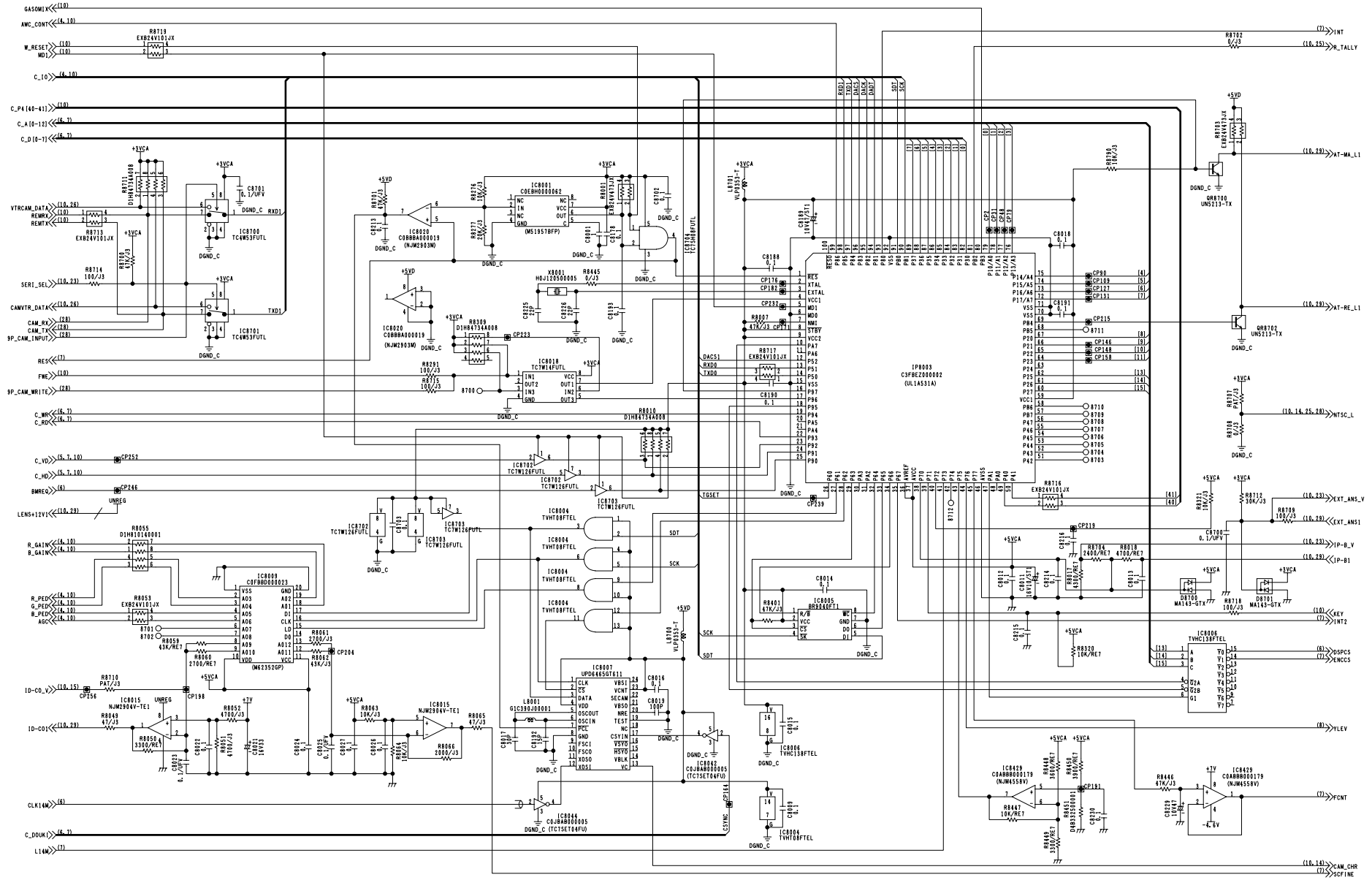


	NTSC	PAL
C8166	F1H1H330A231	F1H1H560A231

	NTSC	PAL
FL8001	J0HABY000003	J0HABY000004
FL8002	J0E35840D005	J0E44540D005

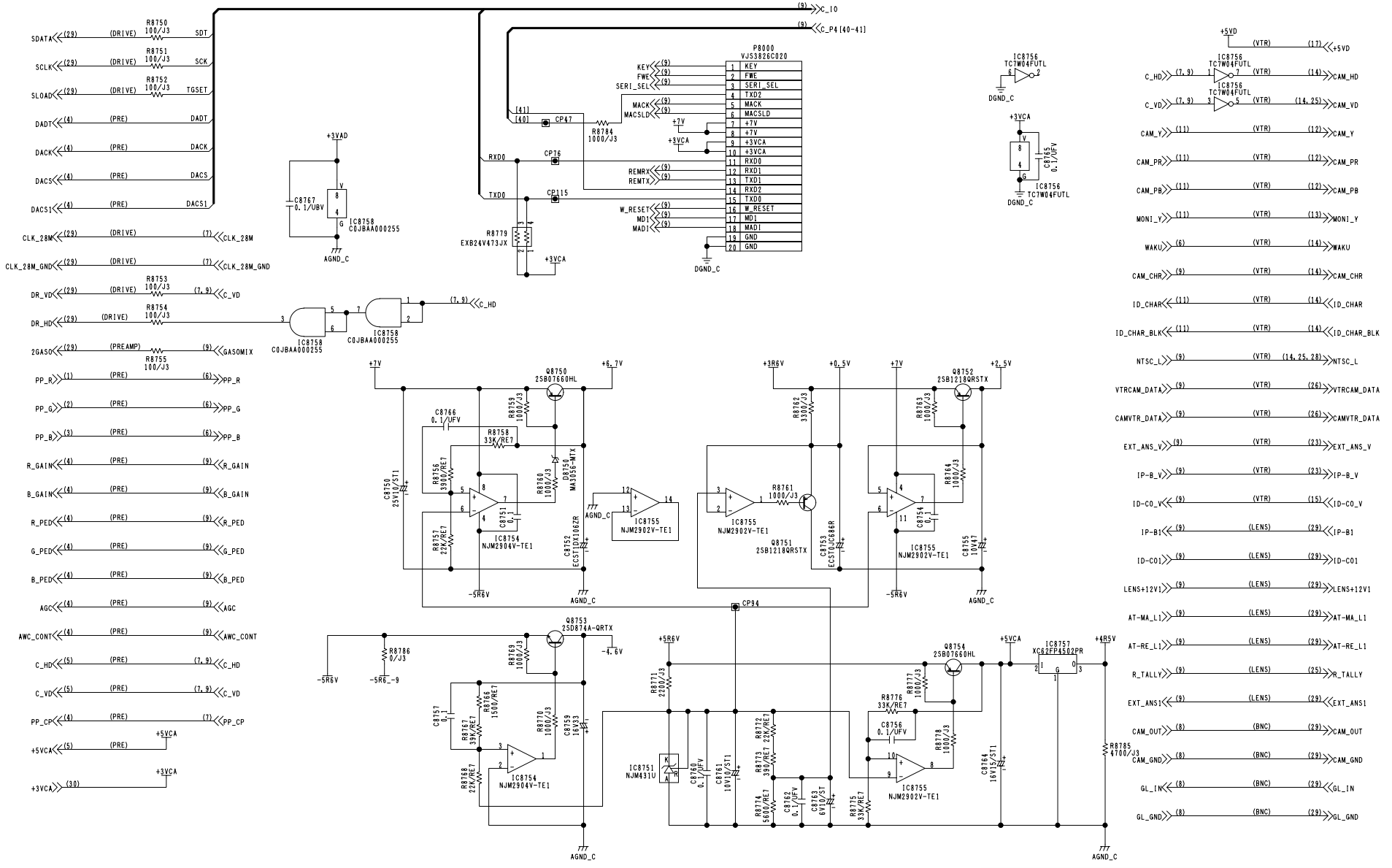
	NTSC	PAL
R8254	220/J3	180/J3
R8259	390/RE7	0/J3
R8301	200/RE7	330/J3

COMPONENT NAME	MAIN (DSP_ENC)	08/30
CIRCUIT BOARD NO.		DRAWING NO.
NTSC : VEP83551C		KR30081
		SCM009

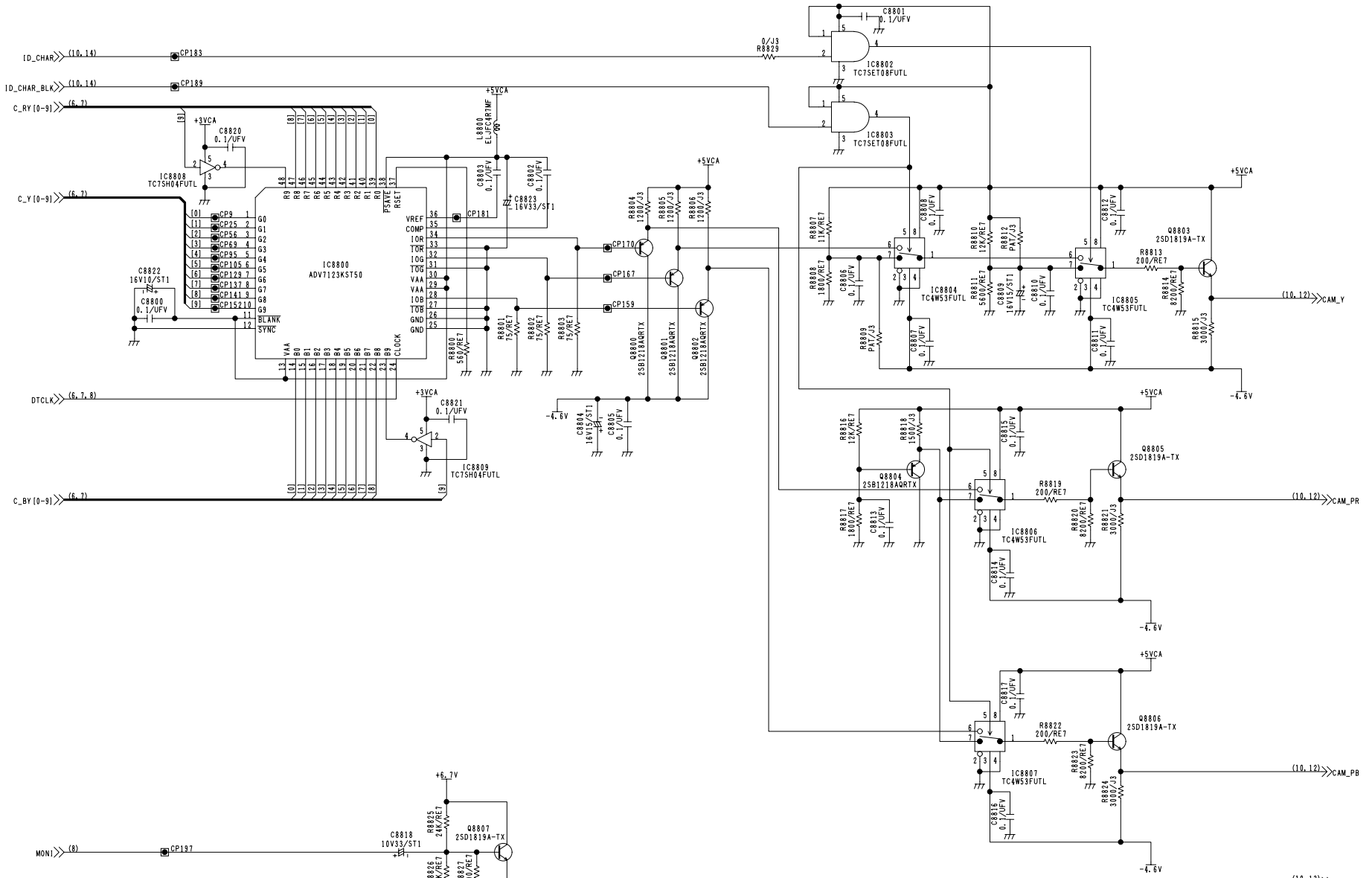


	NTSC	PAL
R8707	PAT/J3	0/J3
R8708	0/J3	PAT/J3

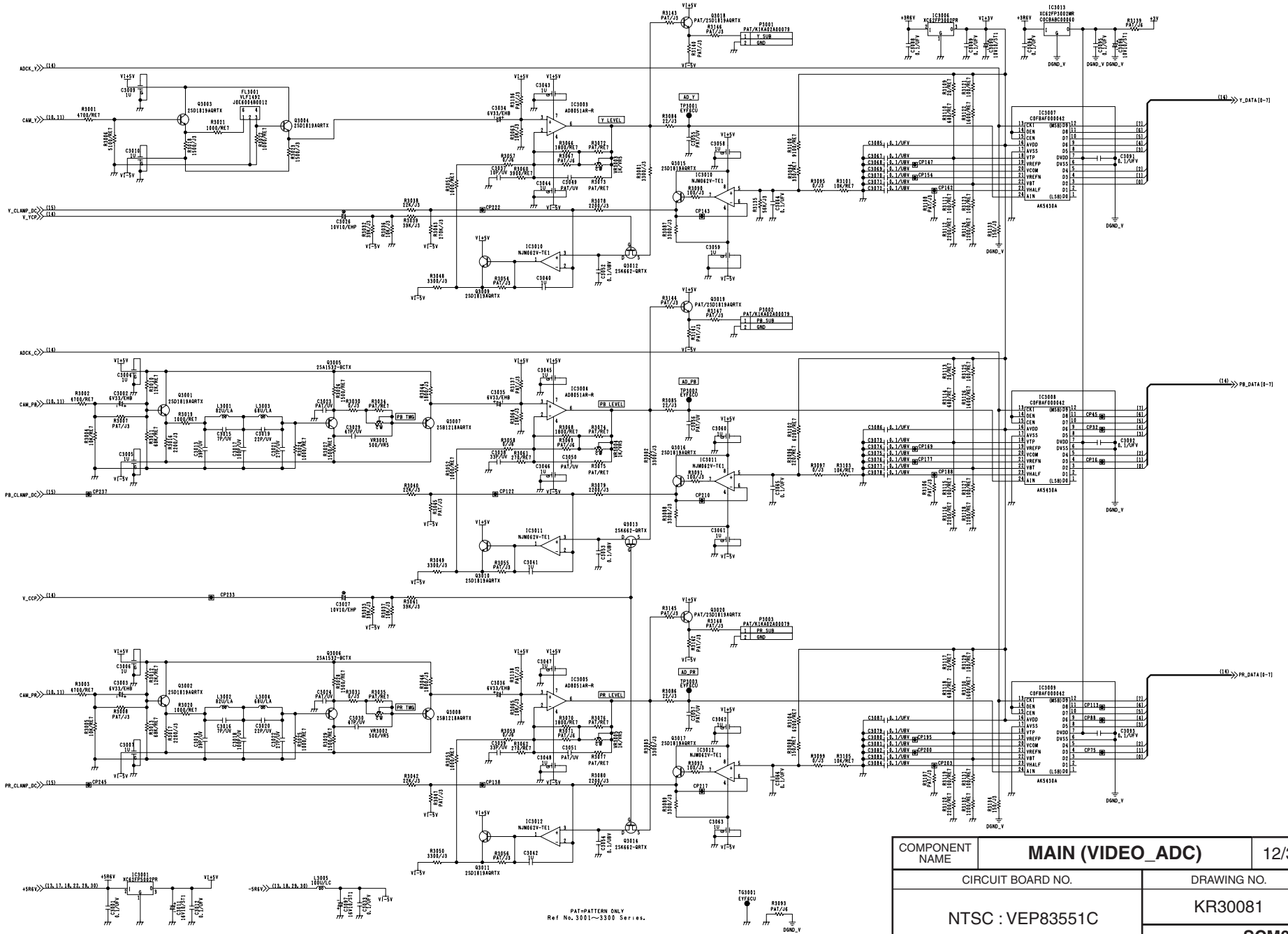
COMPONENT NAME	**MAIN (DSP_ENC)**	09/30
CIRCUIT BOARD NO.		DRAWING NO.
NTSC : VEP83551C		KR30081
		SCM010



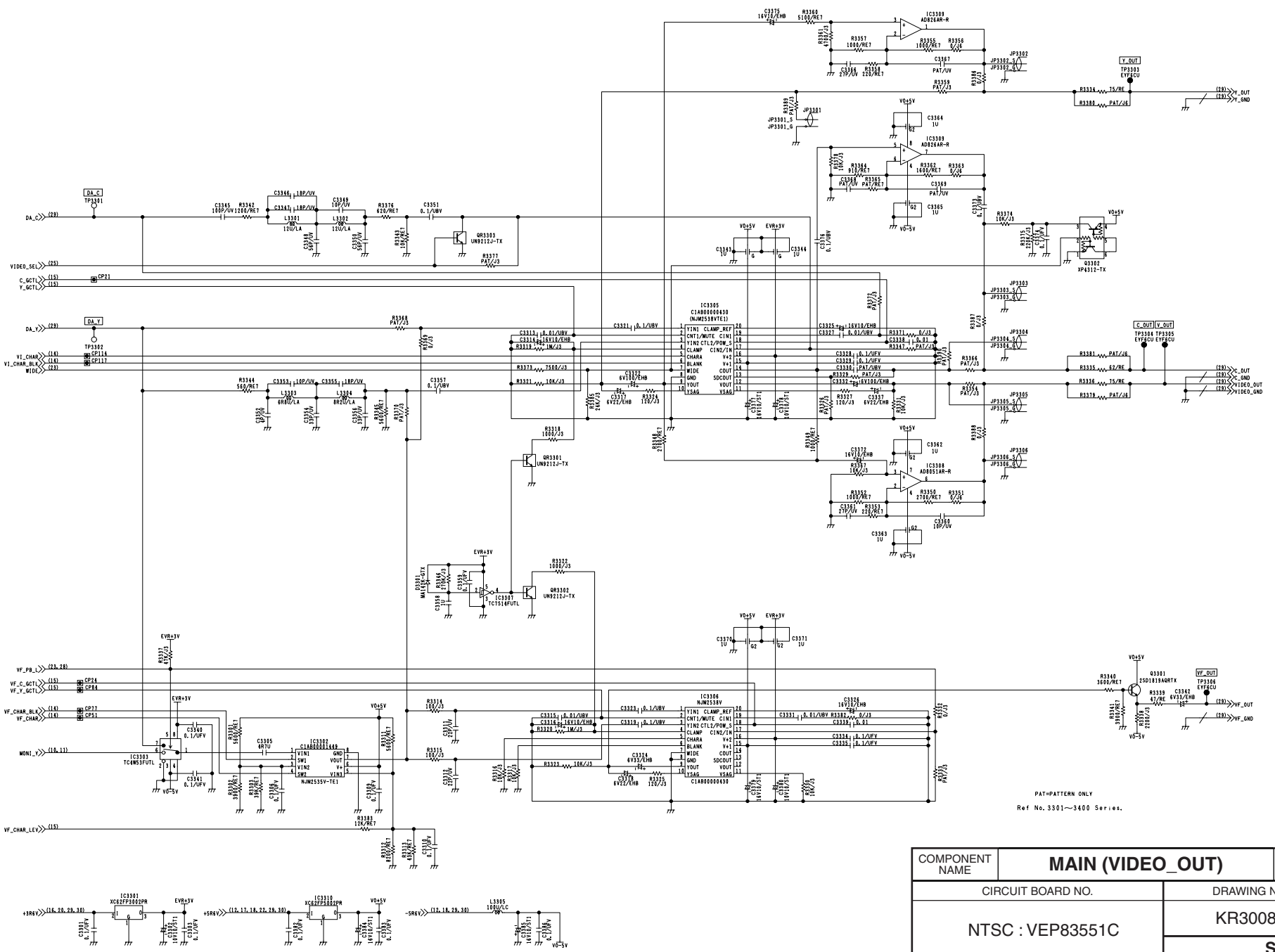
COMPONENT NAME	MAIN (DSP_ENC)	10/30
CIRCUIT BOARD NO.		DRAWING NO.
NTSC :VEP83551C		KR30081
		SCM011



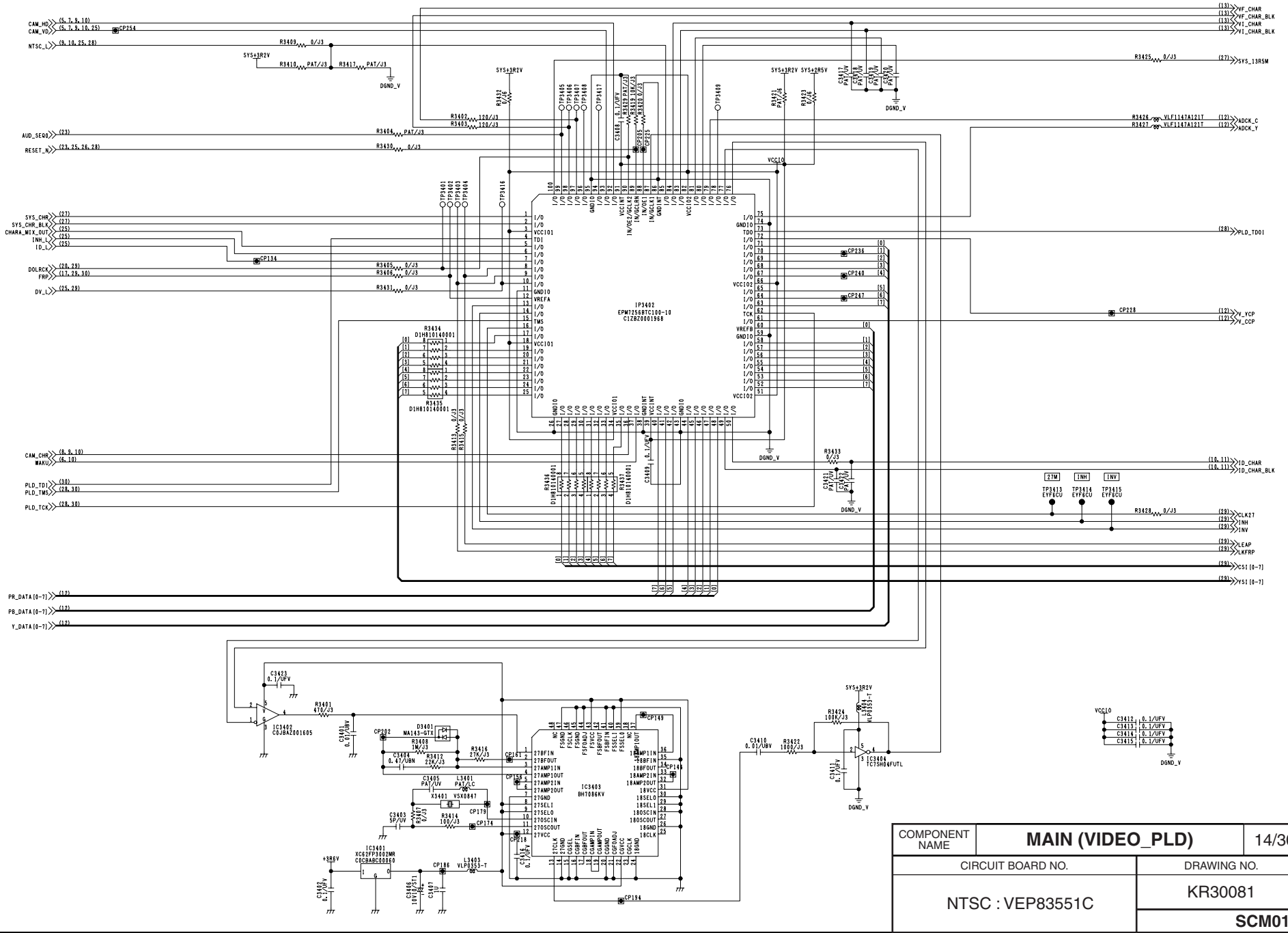
COMPONENT NAME	MAIN (DSP_ENC)	11/30
CIRCUIT BOARD NO.		DRAWING NO.
NTSC : VEP83551C		KR30081
		SCM012



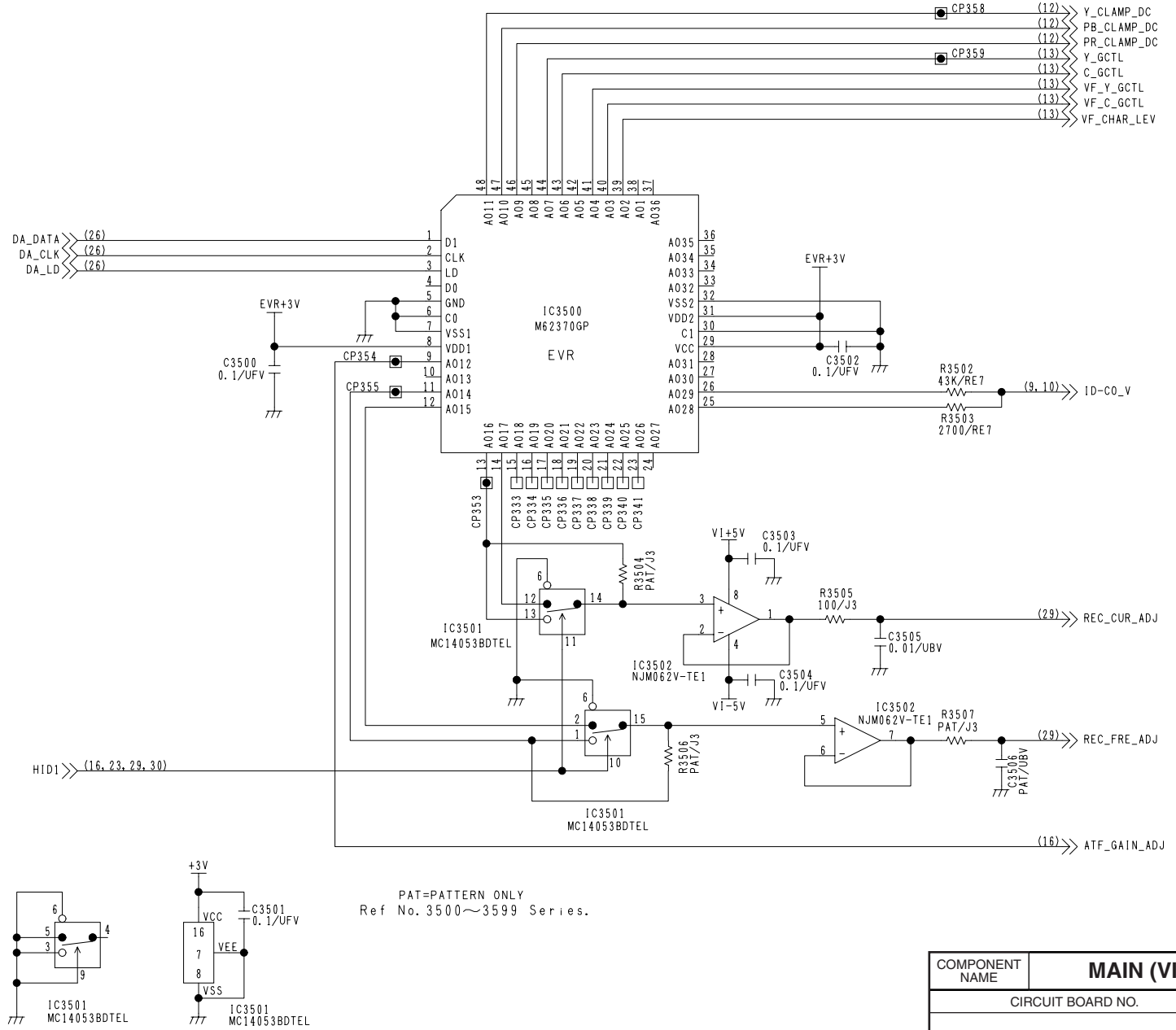
COMPONENT NAME	MAIN (VIDEO_ADC)	12/30
CIRCUIT BOARD NO.		DRAWING NO.
NTSC : VEP83551C		KR30081
		SCM013



COMPONENT NAME	MAIN (VIDEO_OUT)	13/30
CIRCUIT BOARD NO.		DRAWING NO.
NTSC : VEP83551C		KR30081
		SCM014

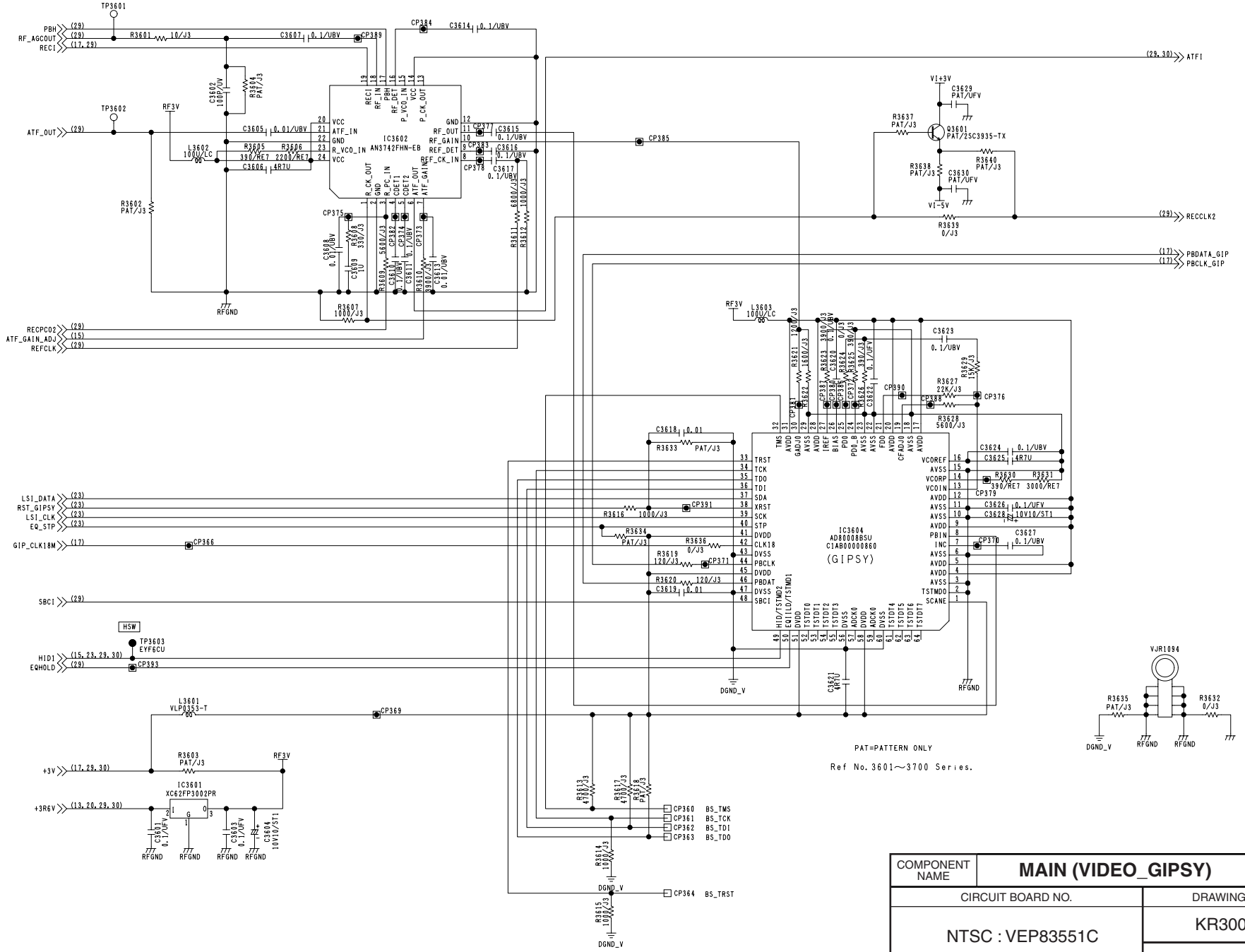


COMPONENT NAME	**MAIN (VIDEO_PLD)**	14/30
CIRCUIT BOARD NO.	DRAWING NO.	
NTSC : VEP83551C	KR30081	
	SCM015	

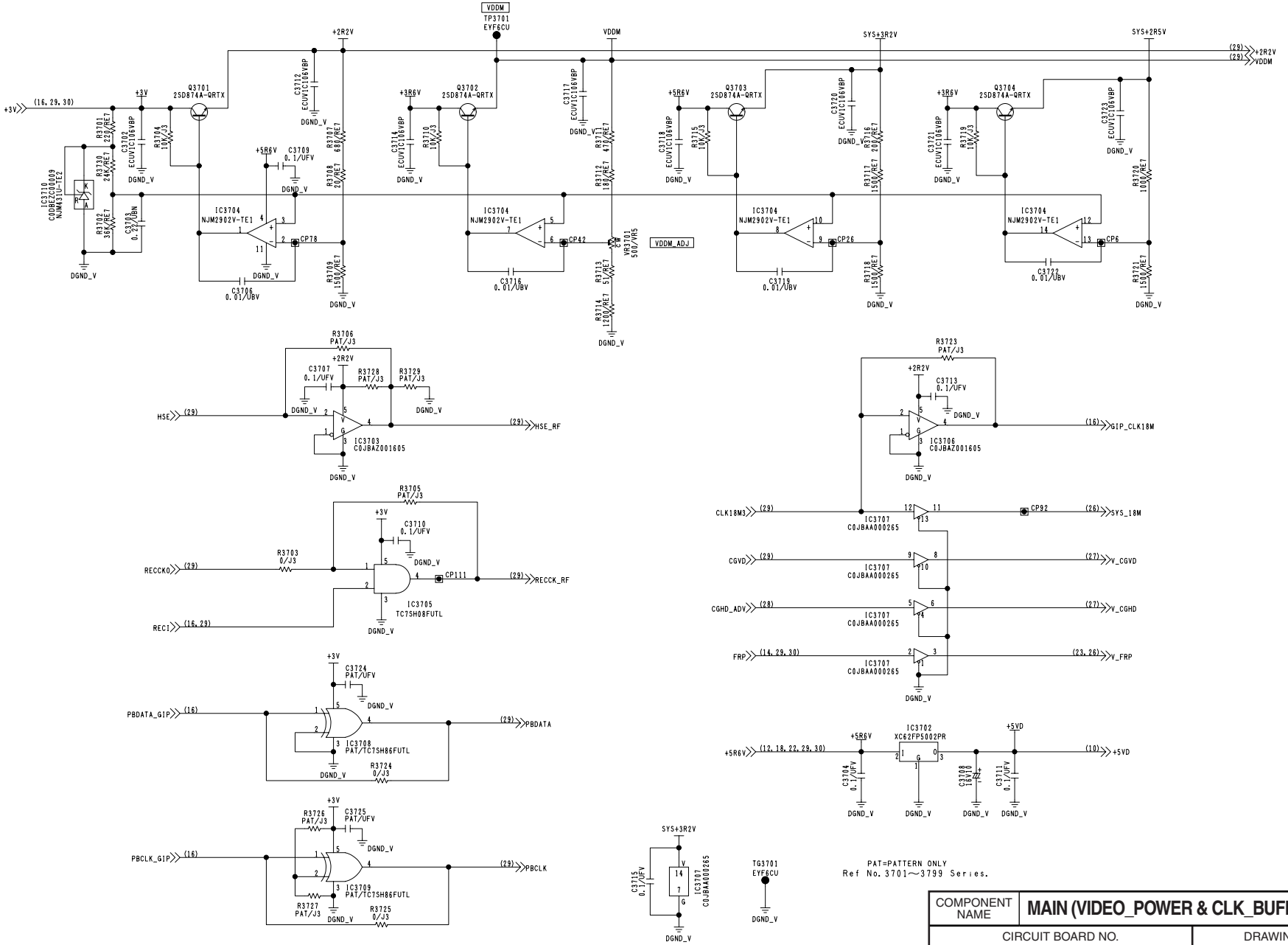


PAT=PATTERN ONLY
Ref No. 3500～3599 Series.

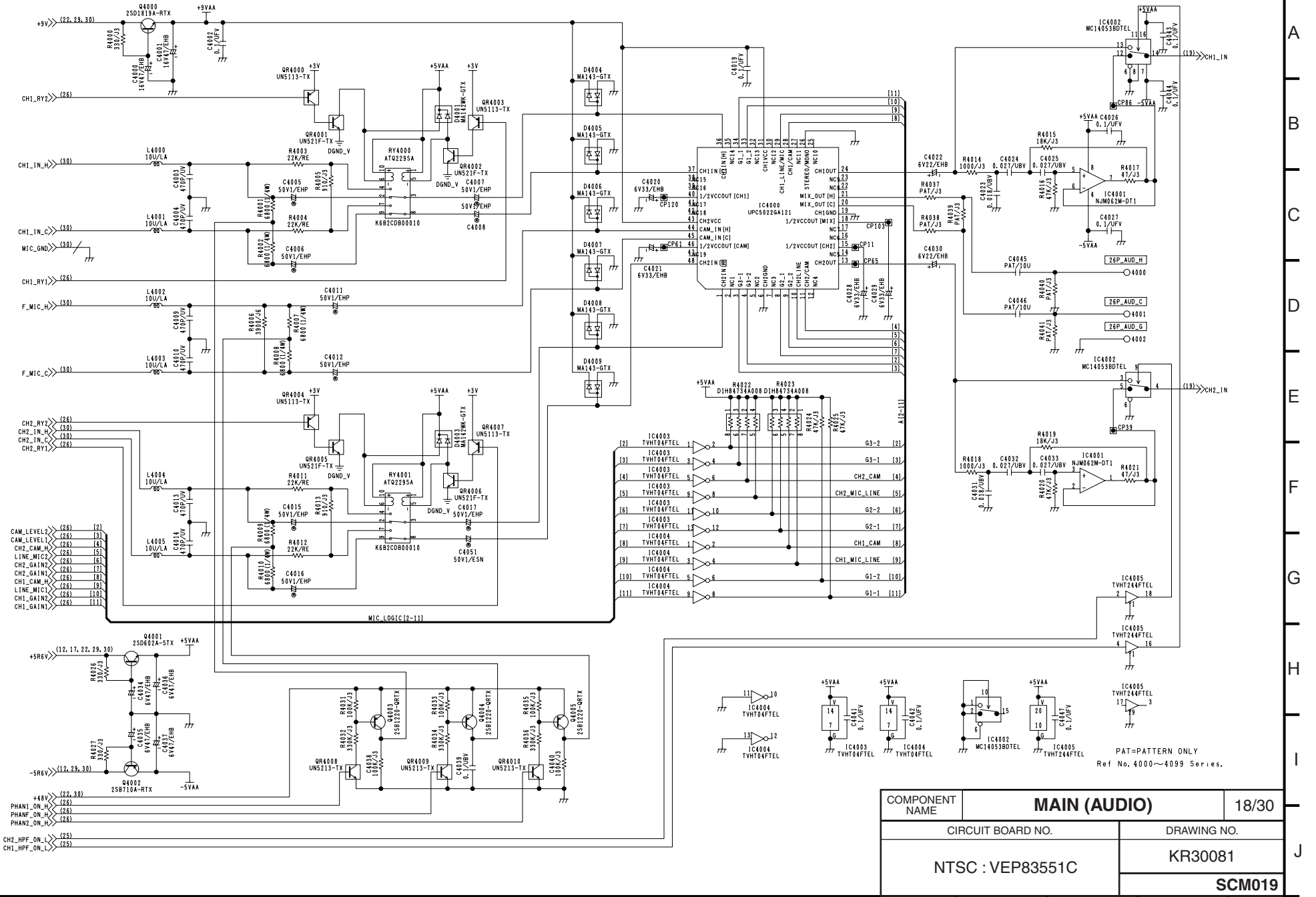
COMPONENT NAME	**MAIN (VIDEO_EVR)**	15/30
CIRCUIT BOARD NO.		DRAWING NO.
NTSC : VEP83551C		KR30081
		SCM016



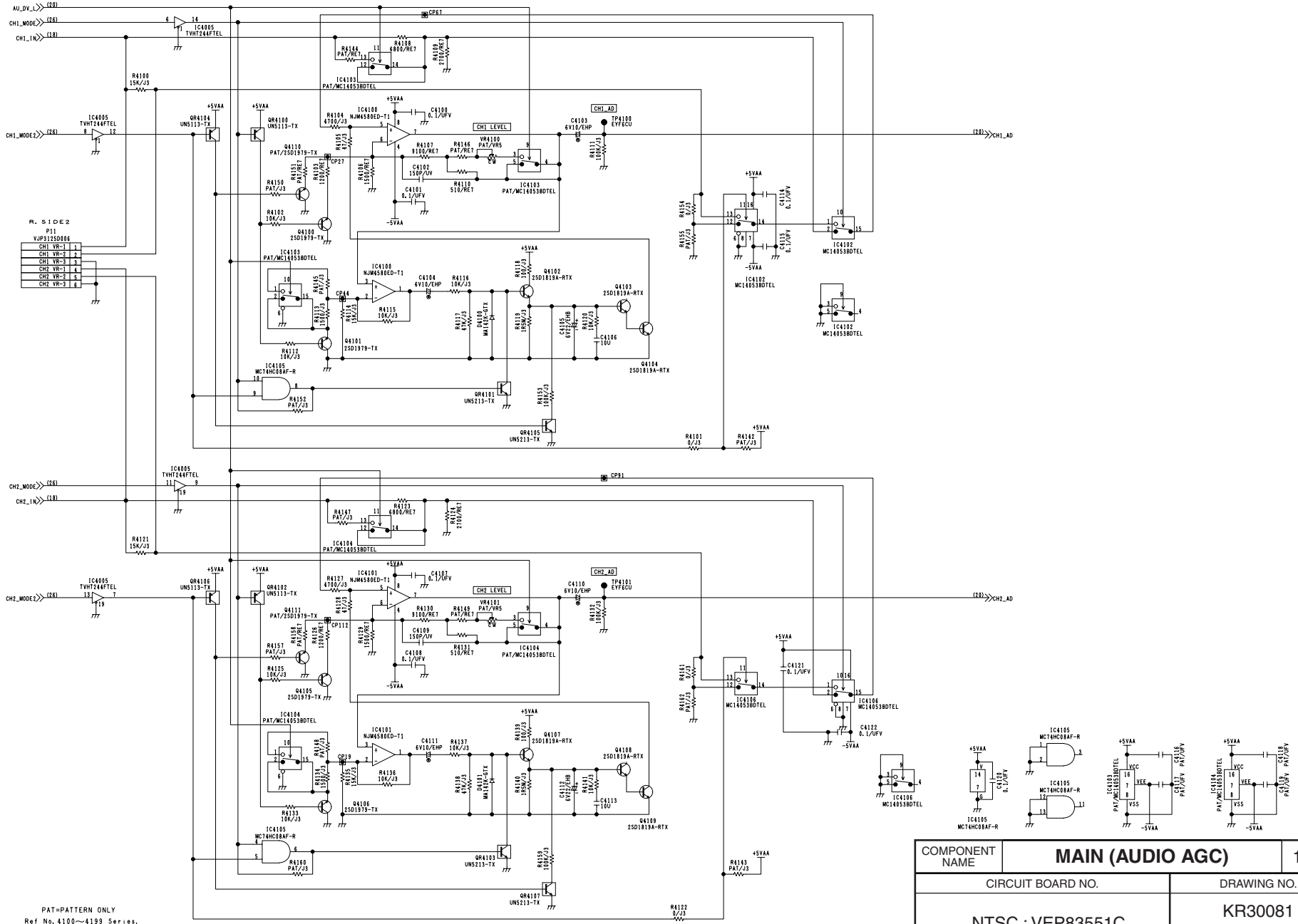
COMPONENT NAME	MAIN (VIDEO_GIPSY)	16/30
CIRCUIT BOARD NO.		DRAWING NO.
NTSC : VEP83551C		KR30081
		SCM017



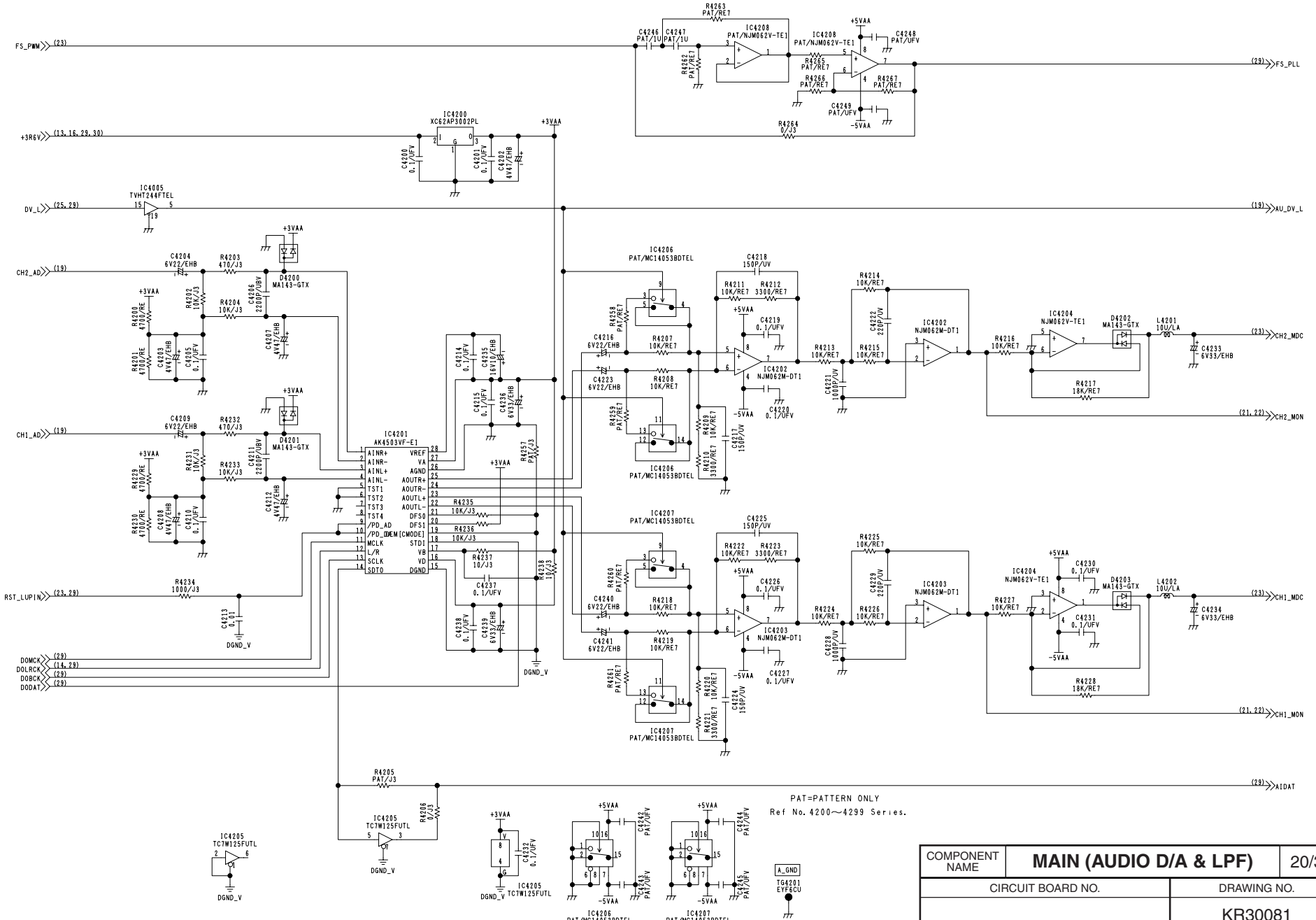
COMPONENT NAME	**MAIN (VIDEO_POWER & CLK_BUFF)**	17/30
CIRCUIT BOARD NO.		DRAWING NO.
NTSC : VEP83551C		KR30081
		SCM018



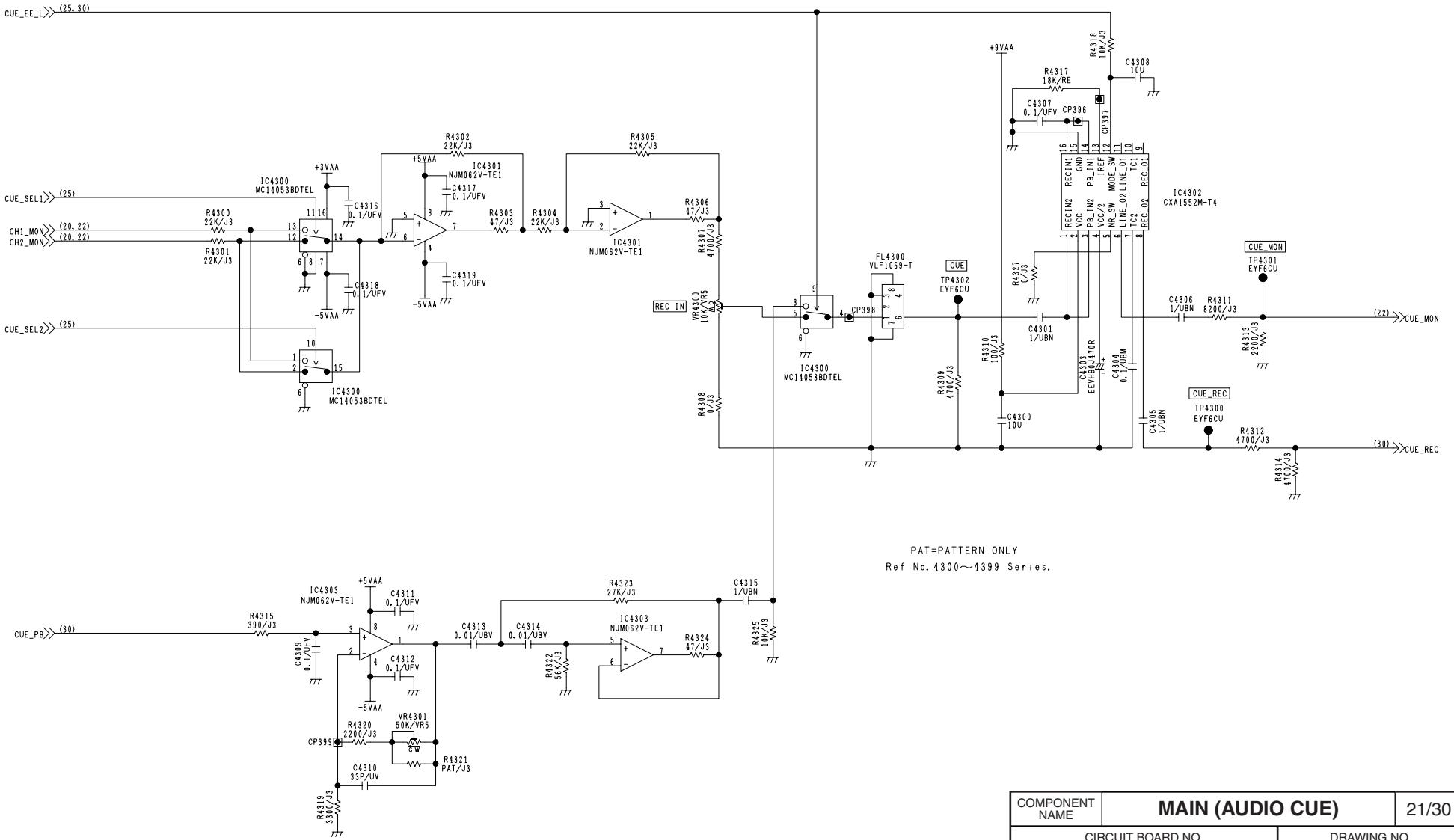
COMPONENT NAME	MAIN (AUDIO)	18/30
CIRCUIT BOARD NO.		DRAWING NO.
NTSC : VEP83551C		KR30081
		SCM019



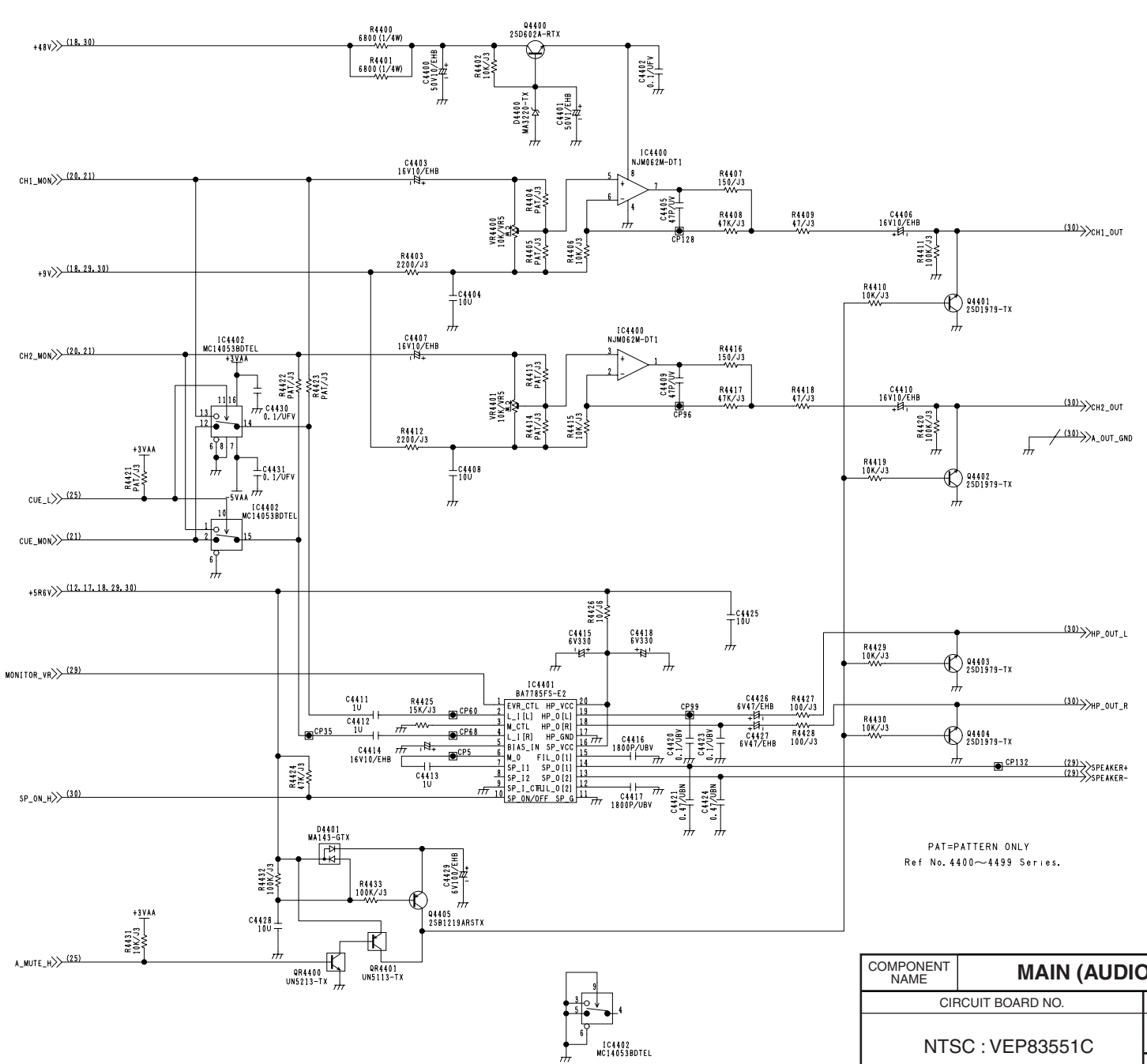
COMPONENT NAME	**MAIN (AUDIO AGC)**	19/30
CIRCUIT BOARD NO.		DRAWING NO.
NTSC : VEP83551C		KR30081
		SCM020



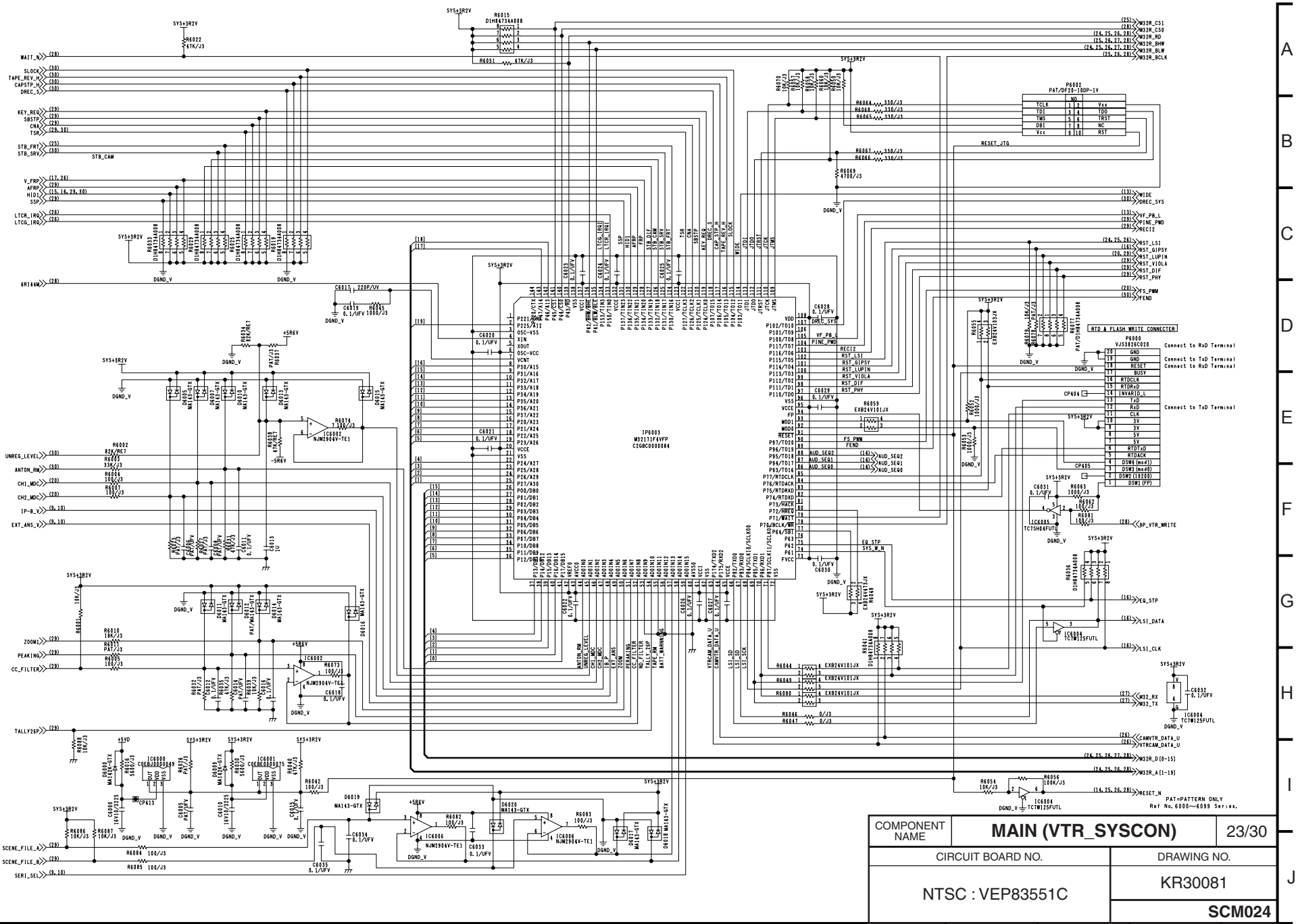
COMPONENT NAME	MAIN (AUDIO D/A & LPF)	20/30
CIRCUIT BOARD NO.		DRAWING NO.
NTSC : VEP83551C		KR30081
		SCM021

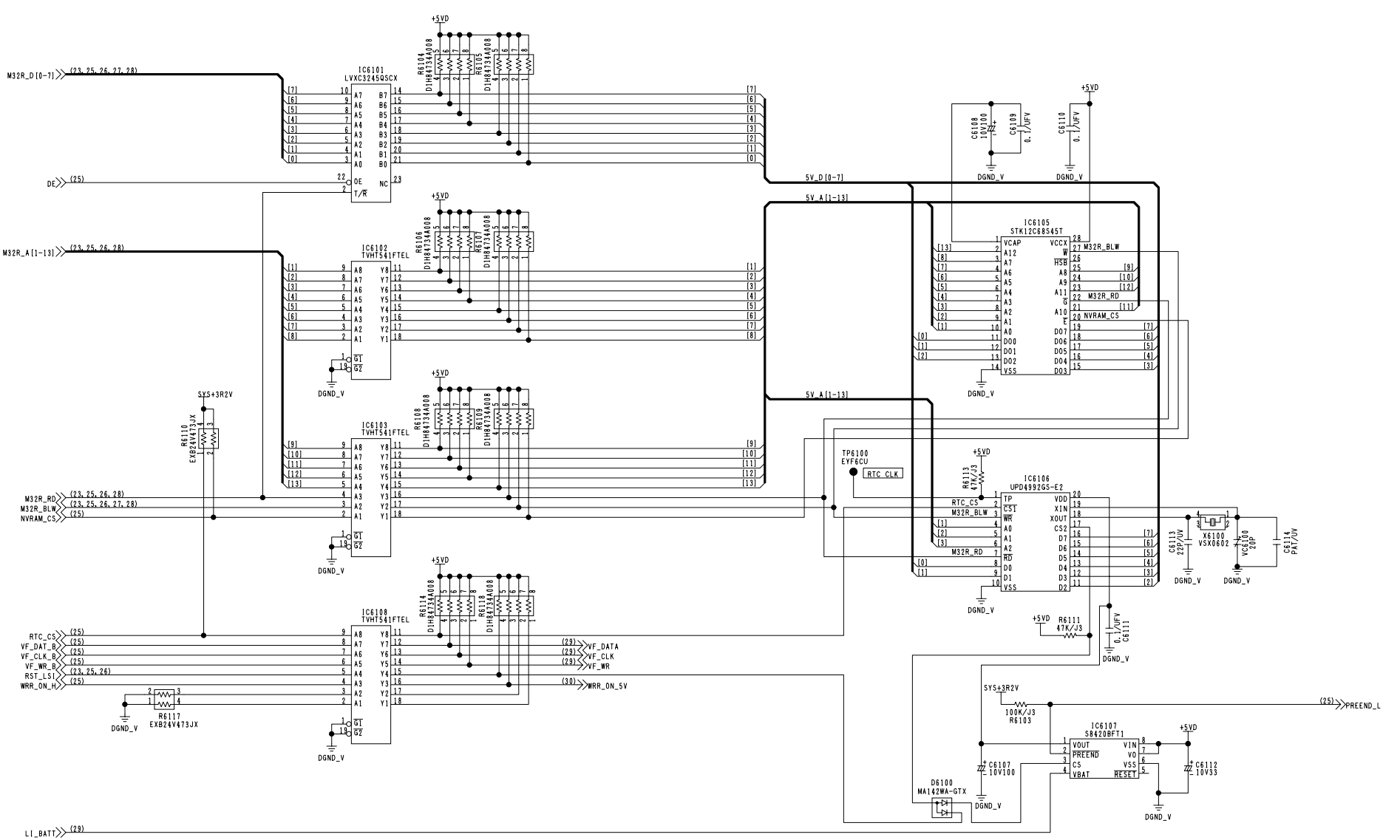


COMPONENT NAME	MAIN (AUDIO CUE)	21/30
CIRCUIT BOARD NO.		DRAWING NO.
NTSC : VEP83551C		KR30081
		SCM022

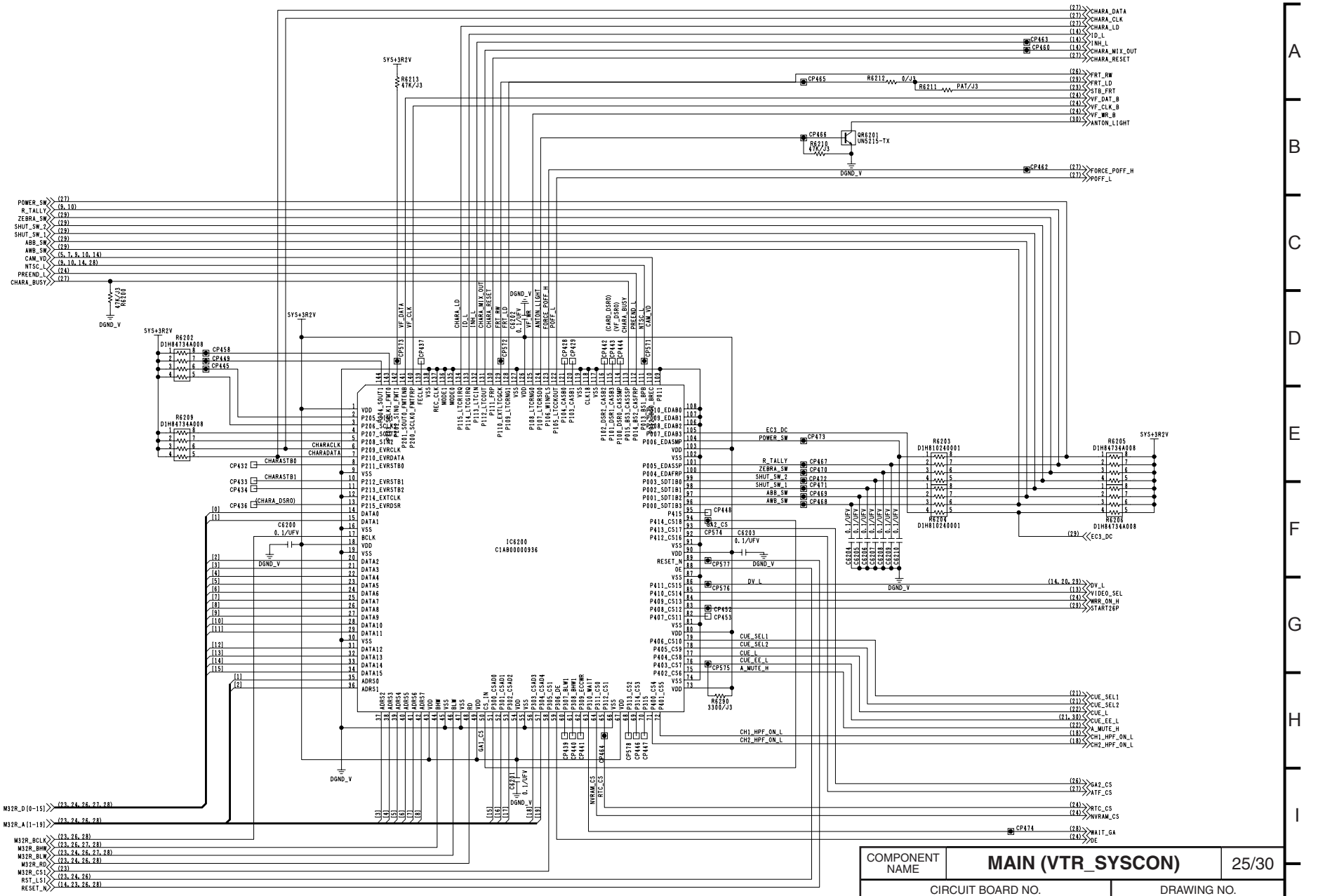


COMPONENT NAME	MAIN (AUDIO OUT)	22/30
CIRCUIT BOARD NO.		DRAWING NO.
NTSC : VEP83551C		KR30081
		SCM023

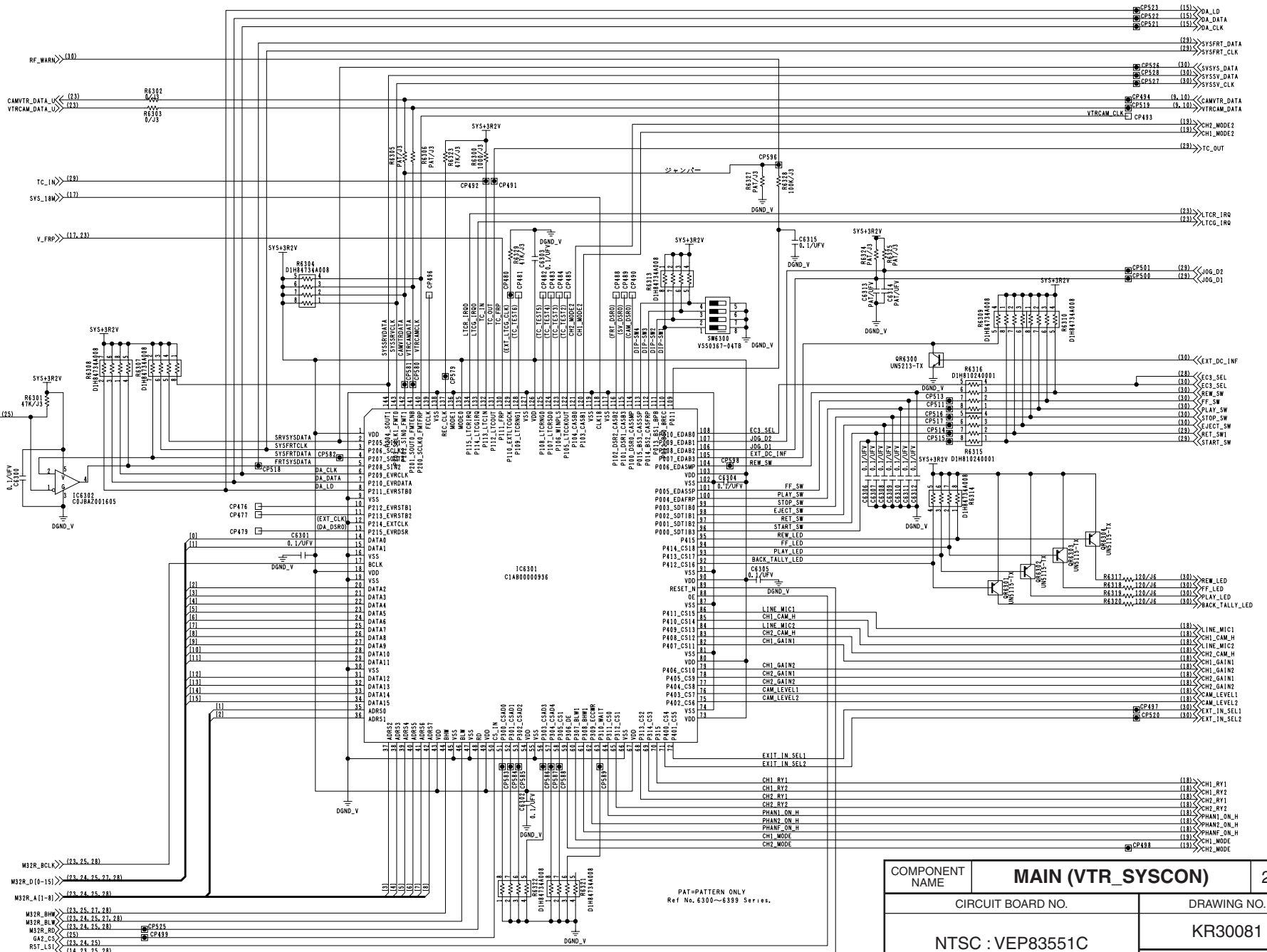

IP6003
M30311F4VFP
C2GBC0000084
P6003
PAT/DF28-10DP-1V
P6000
VJS3826C020
RTD & FLASH WRITE CONNECTER
Connect to RxD Terminal
Connect to TxD Terminal
Connect to RxD Terminal
Connect to TxD Terminal
RESET_JTG
PAT=PATTERN ONLY
Ref No. 6000~6099 Series.
COMPONENT NAME
MAIN (VTR_SYSCON)
23/30
CIRCUIT BOARD NO.
NTSC : VEP83551C
DRAWING NO.
KR30081
SCM024



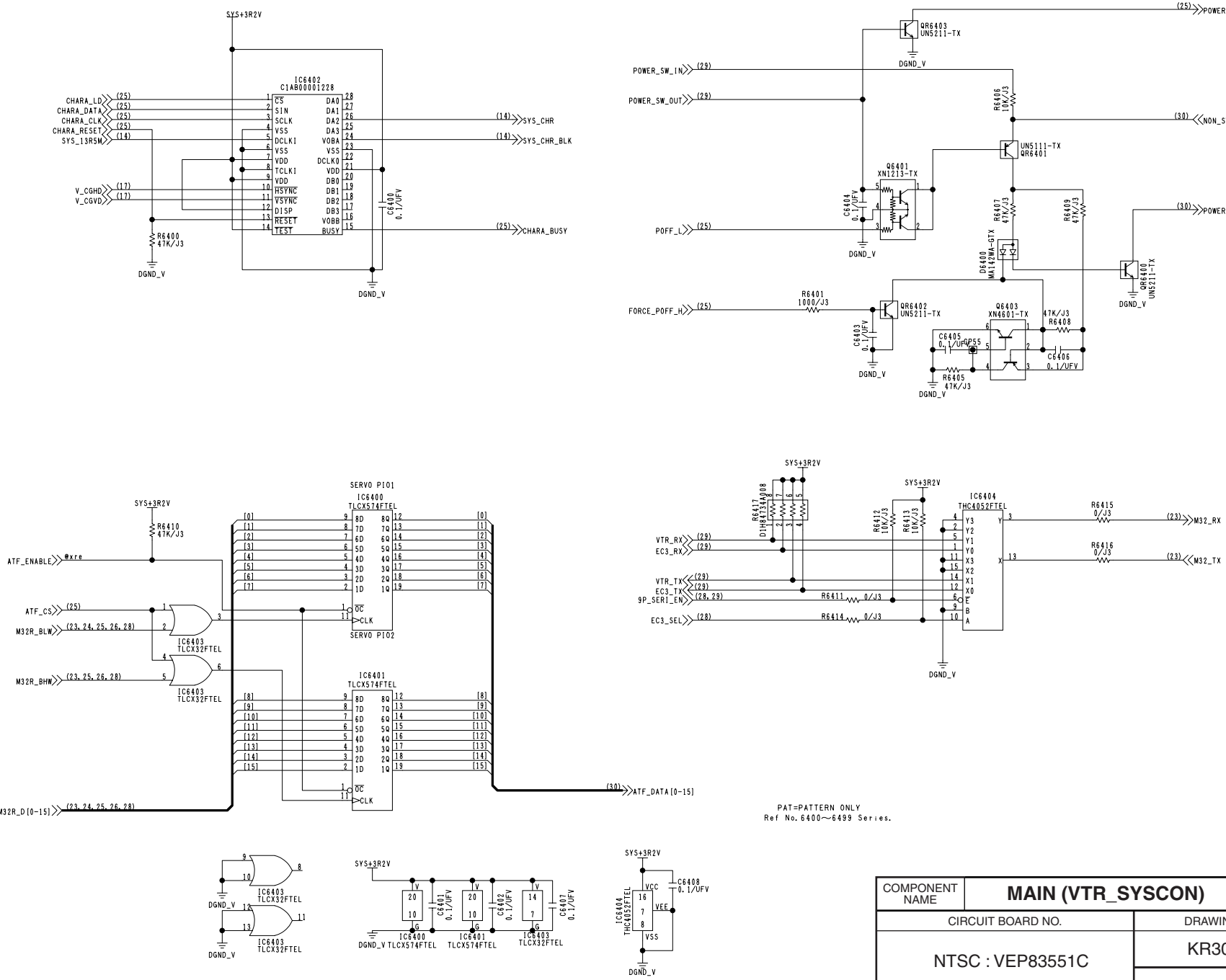
COMPONENT NAME	MAIN (VTR_SYSCON)	24/30
CIRCUIT BOARD NO.		DRAWING NO.
NTSC : VEP83551C		KR30081
		SCM025



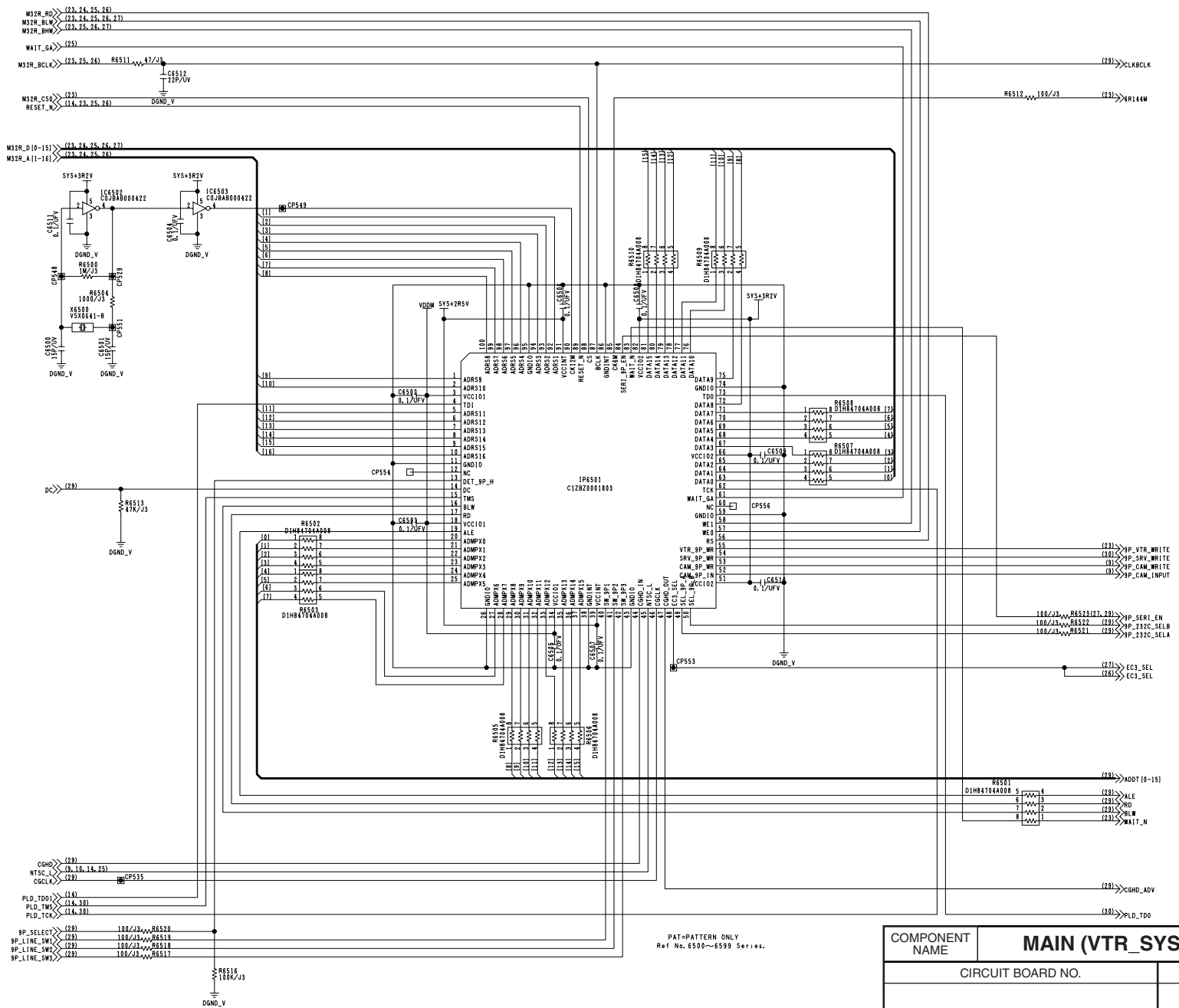
COMPONENT NAME	**MAIN (VTR_SYSCON)**	25/30
CIRCUIT BOARD NO.	DRAWING NO.	
NTSC : VEP83551C	KR30081	
	SCM026	



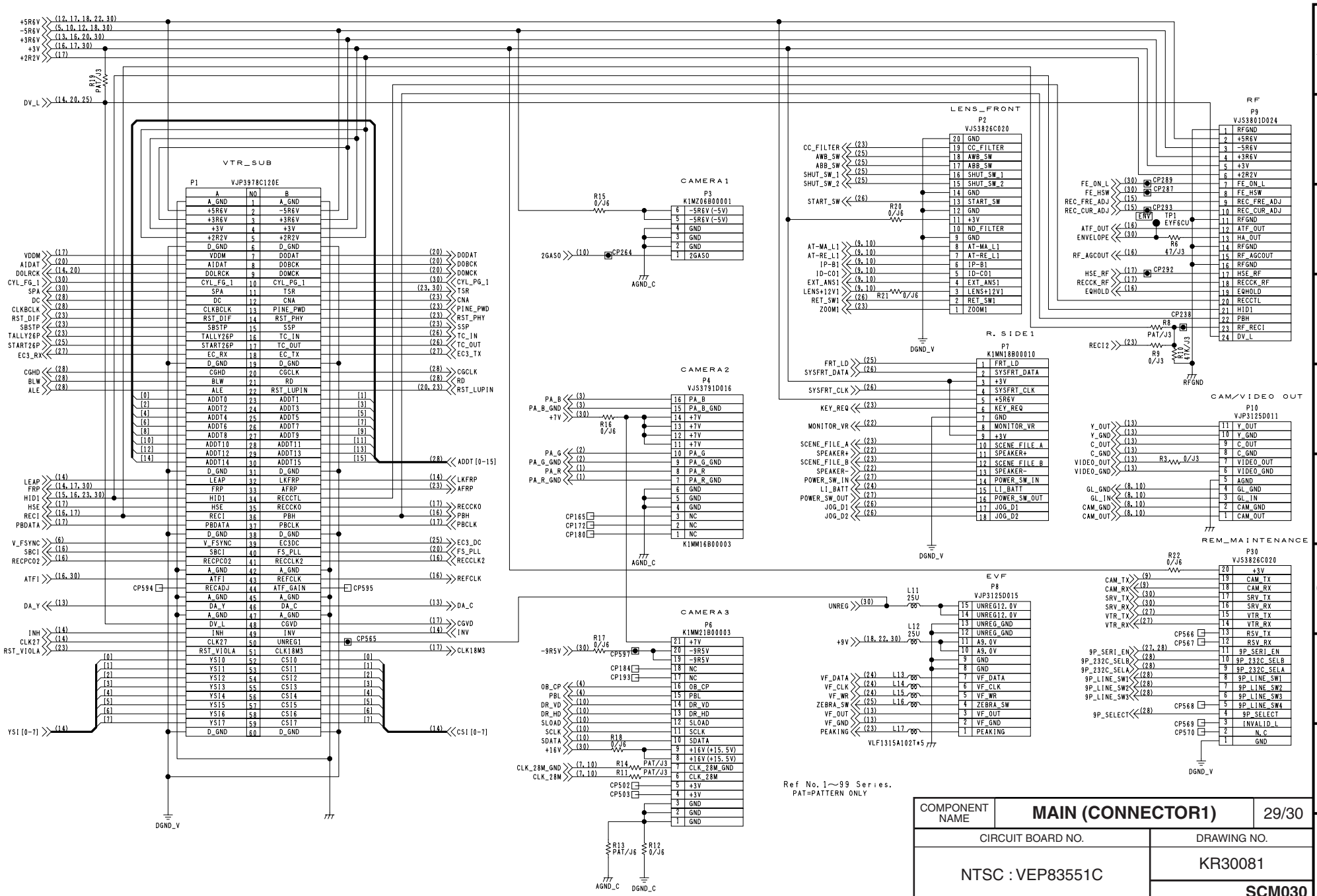
COMPONENT NAME	**MAIN (VTR_SYSCON)**	26/30
CIRCUIT BOARD NO.		DRAWING NO.
NTSC : VEP83551C		KR30081
		SCM027

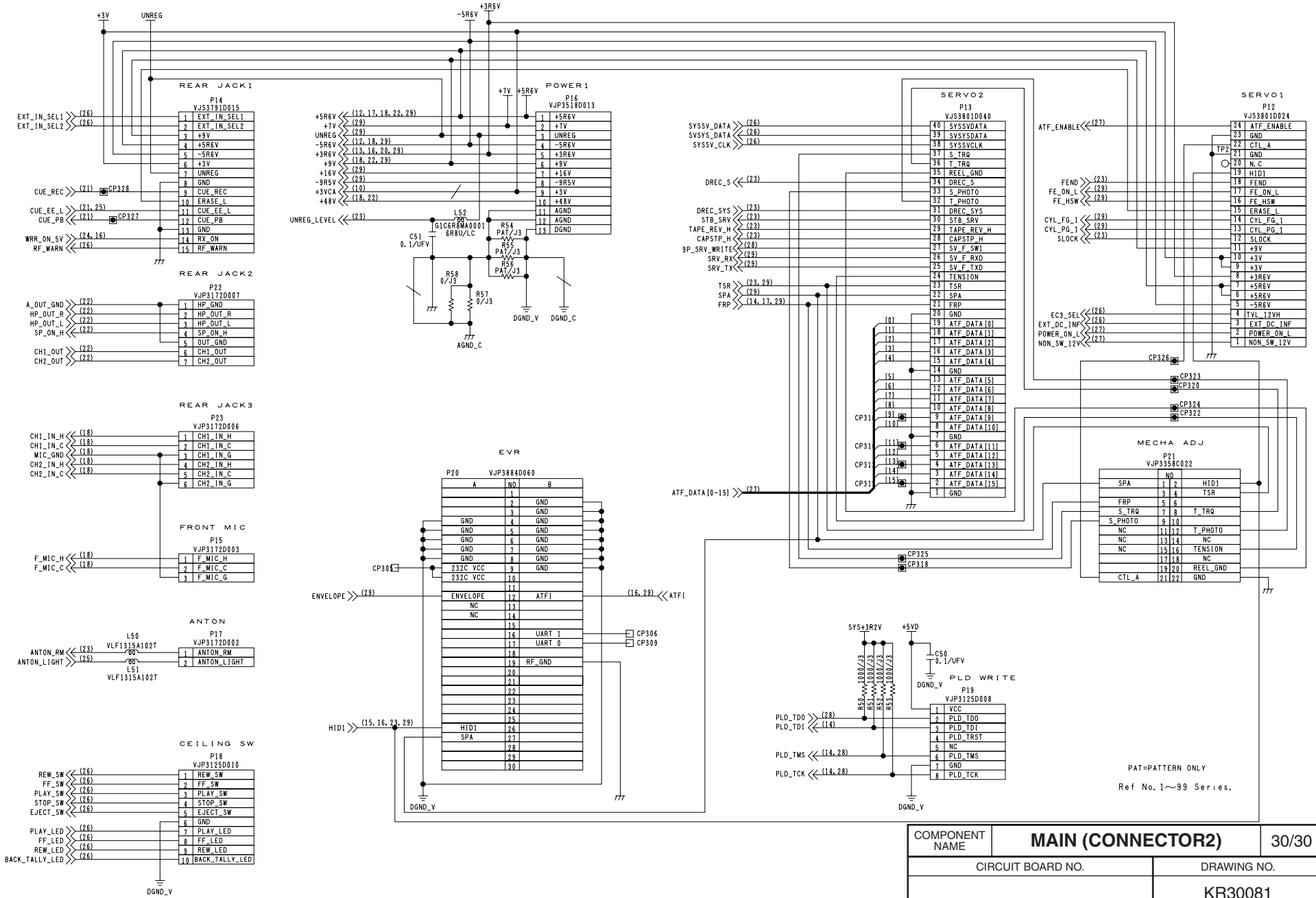


COMPONENT NAME	MAIN (VTR_SYSCON)	27/30
CIRCUIT BOARD NO.		DRAWING NO.
NTSC : VEP83551C		KR30081
		SCM028

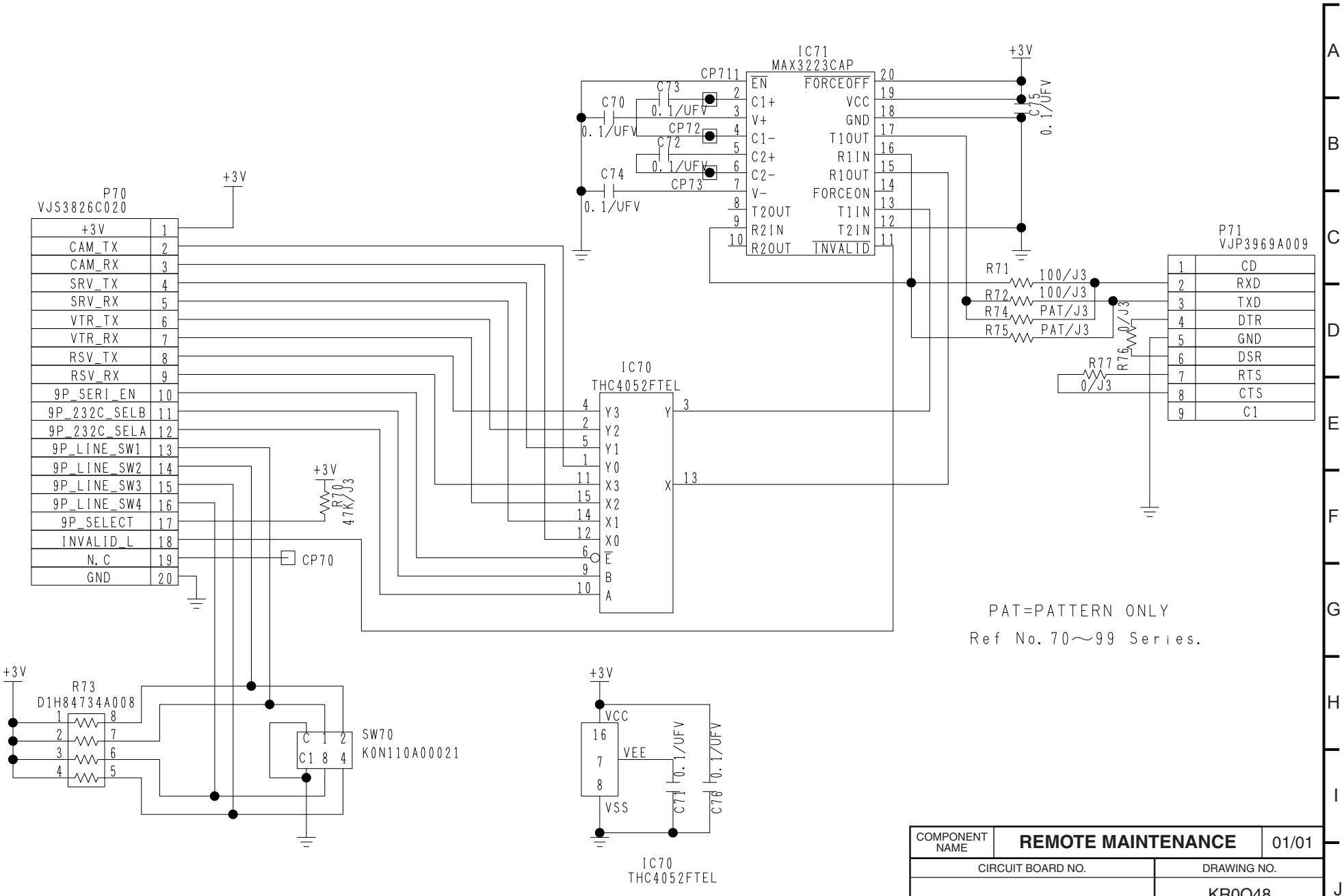


COMPONENT NAME	**MAIN (VTR_SYSCON)**	28/30
CIRCUIT BOARD NO.		DRAWING NO.
NTSC : VEP83551C		KR30081
		SCM029

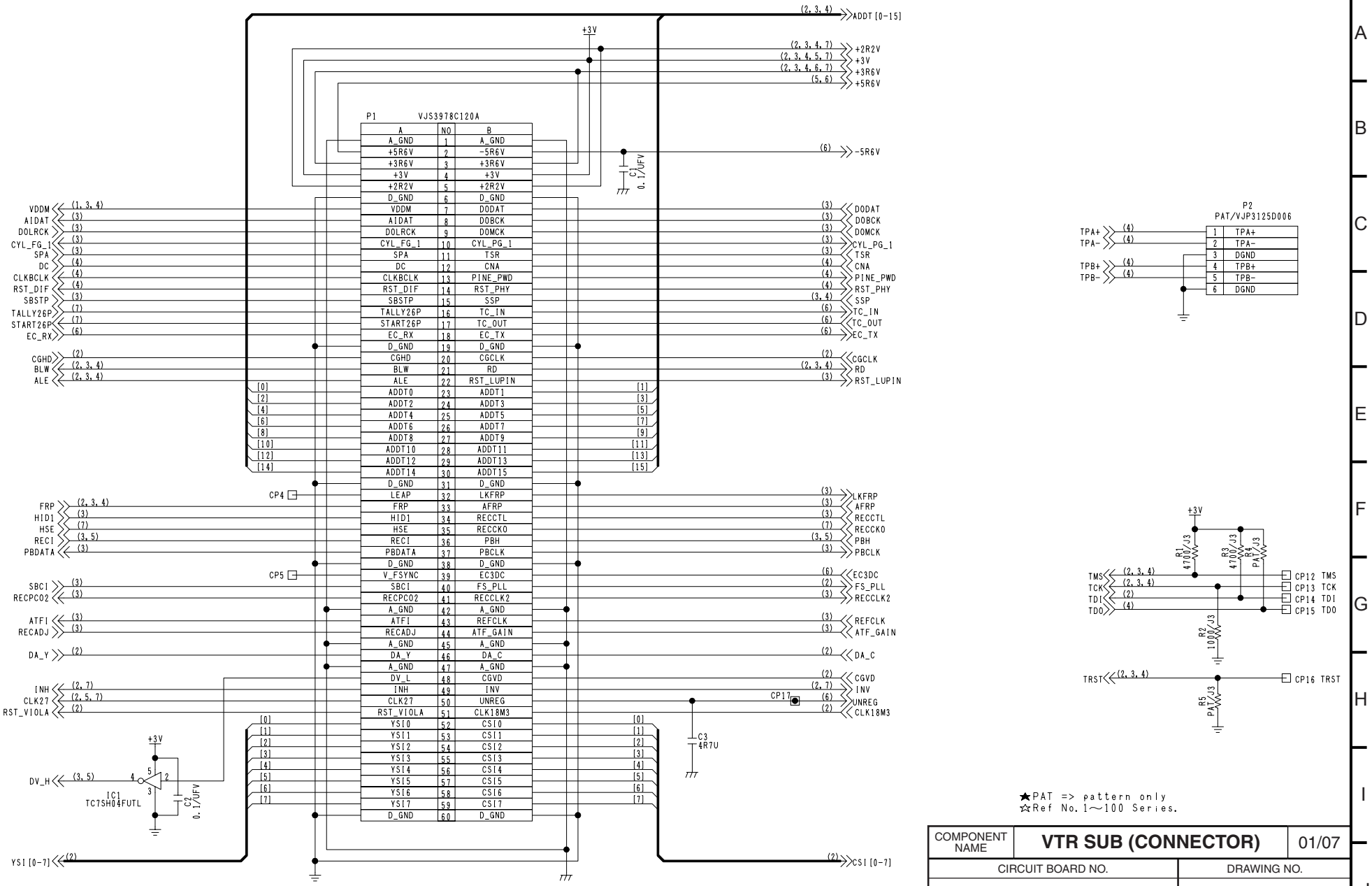

VTR_SUB
P1 VJP3978C120E
CAMERA1
P3 K1MZ06B00001
CAMERA2
P4 VJS3791D016
CAMERA3
P6 K1MM21B00003
LENS_FRONT
P2 VJS3826C020
R. SIDE1
P7 K1MN18B00010
RF
P9 VJS3801D024
CAM/VIDEO OUT
P10 VJP3125D011
EVF
P8 VJP3125D015
REM_MAINTENANCE
P30 VJS3826C020
Ref No. 1～99 Series.
PAT=PATTERN ONLY
COMPONENT NAME
MAIN (CONNECTOR1)
29/30
CIRCUIT BOARD NO.
DRAWING NO.
NTSC : VEP83551C
KR30081
SCM030



COMPONENT NAME	**MAIN (CONNECTOR2)**	30/30
CIRCUIT BOARD NO.		DRAWING NO.
NTSC : VEP83551C		KR30081
		SCM031

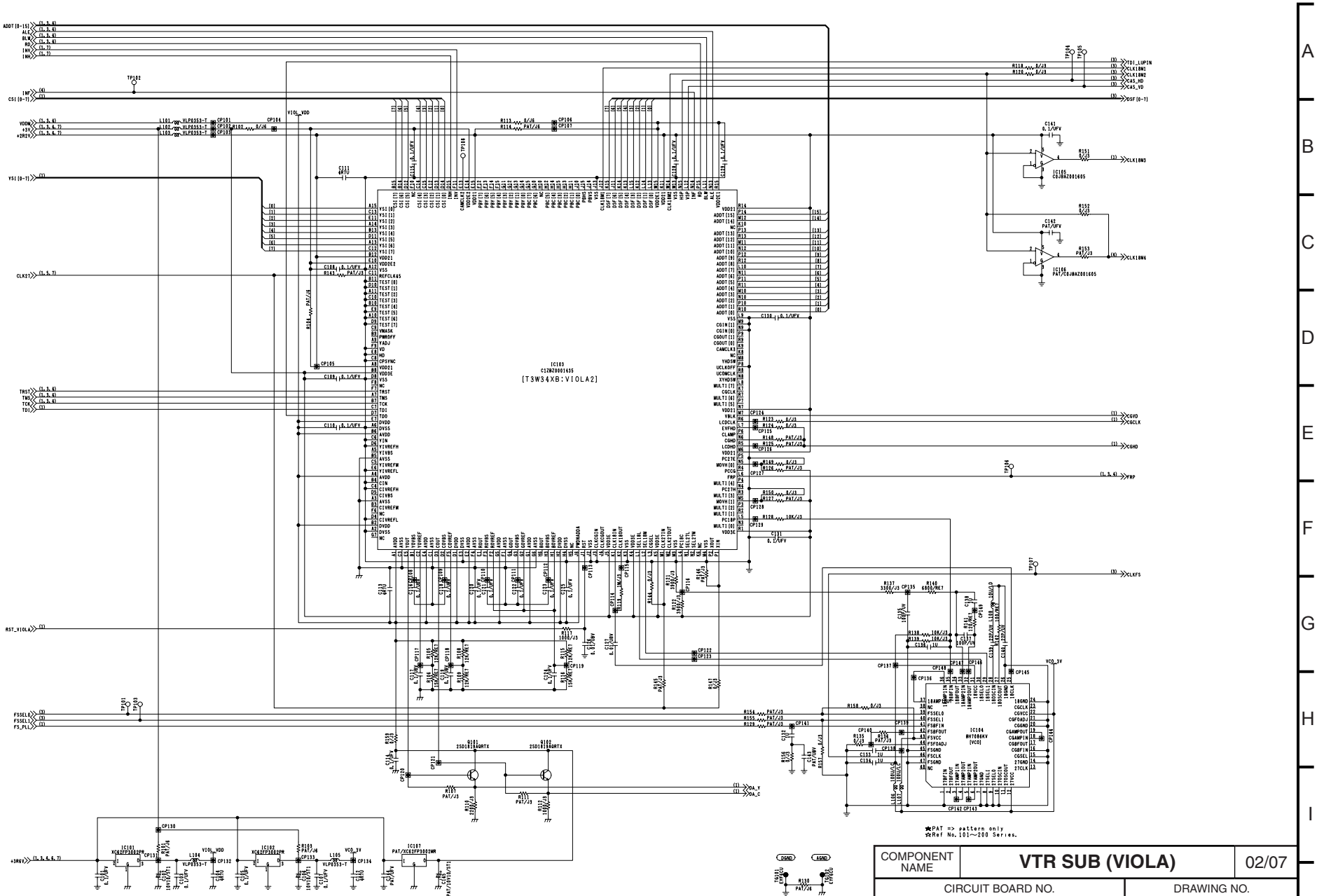


COMPONENT NAME	**REMOTE MAINTENANCE**	01/01
CIRCUIT BOARD NO.		DRAWING NO.
NTSC : VEP80C20A		KR0Q48
		SCM032

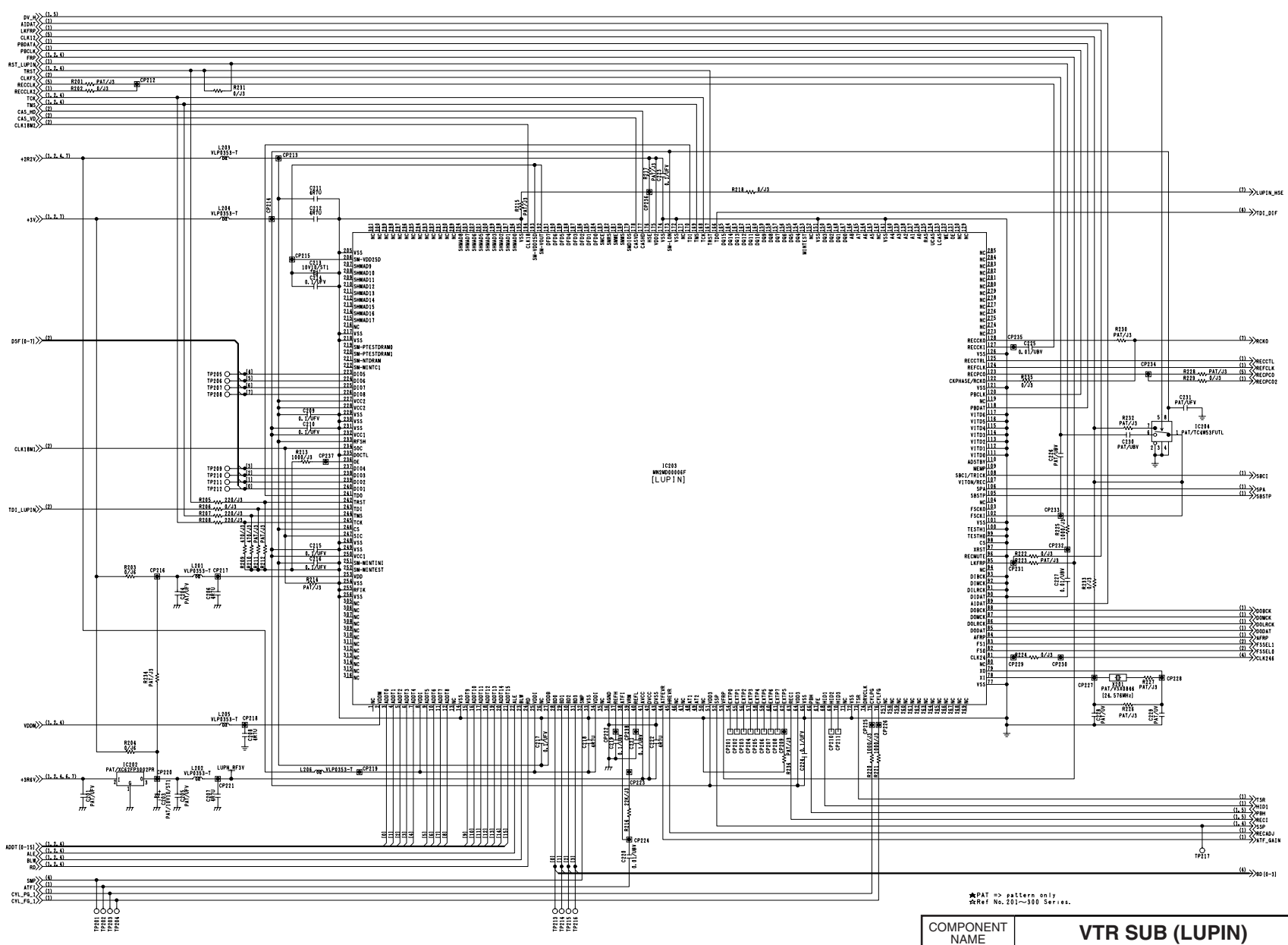


★PAT => pattern only
☆Ref No. 1～100 Series.

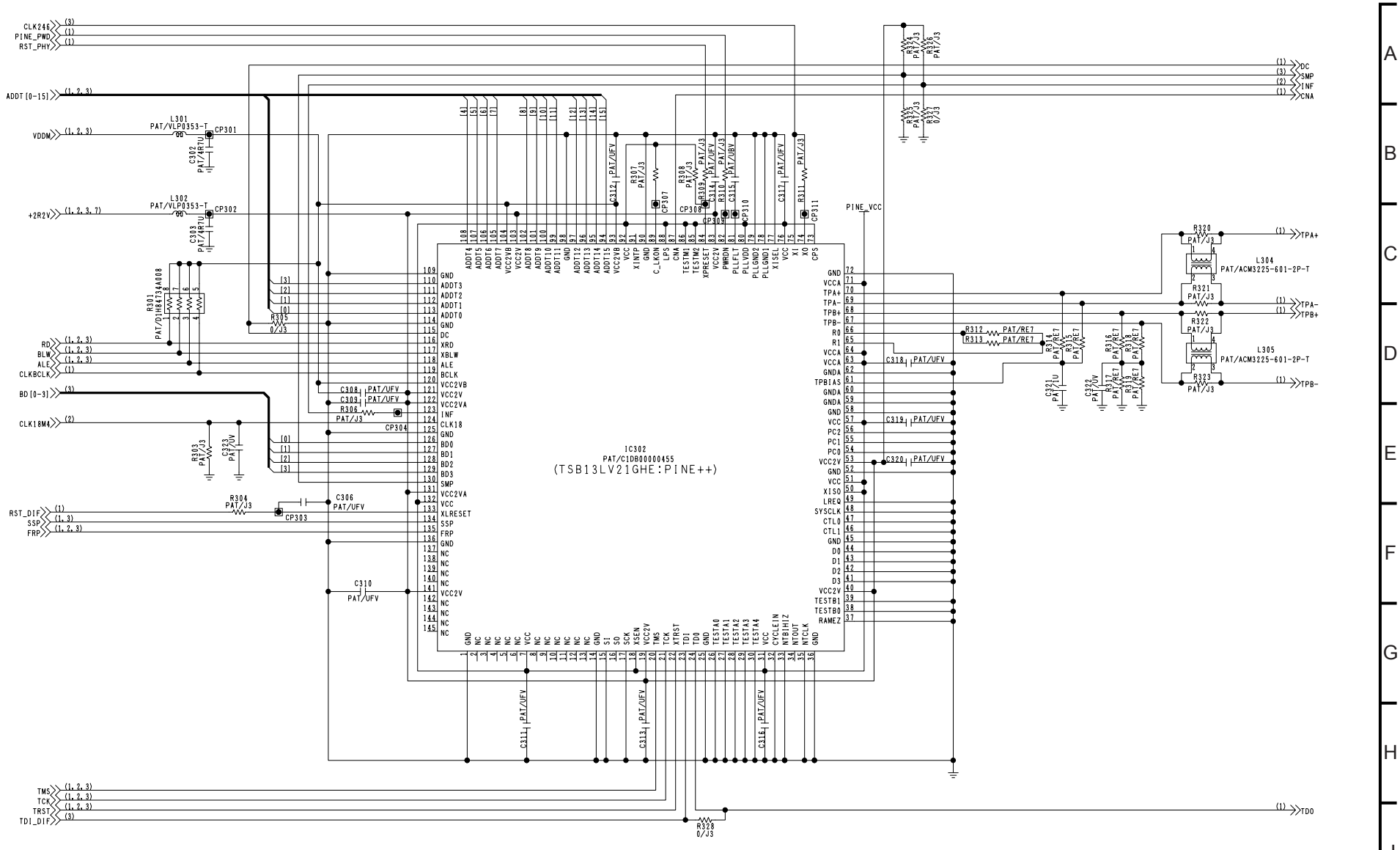
COMPONENT NAME	VTR SUB (CONNECTOR)	01/07
CIRCUIT BOARD NO.		DRAWING NO.
NTSC : VEP83579A		KR30200
		SCM033



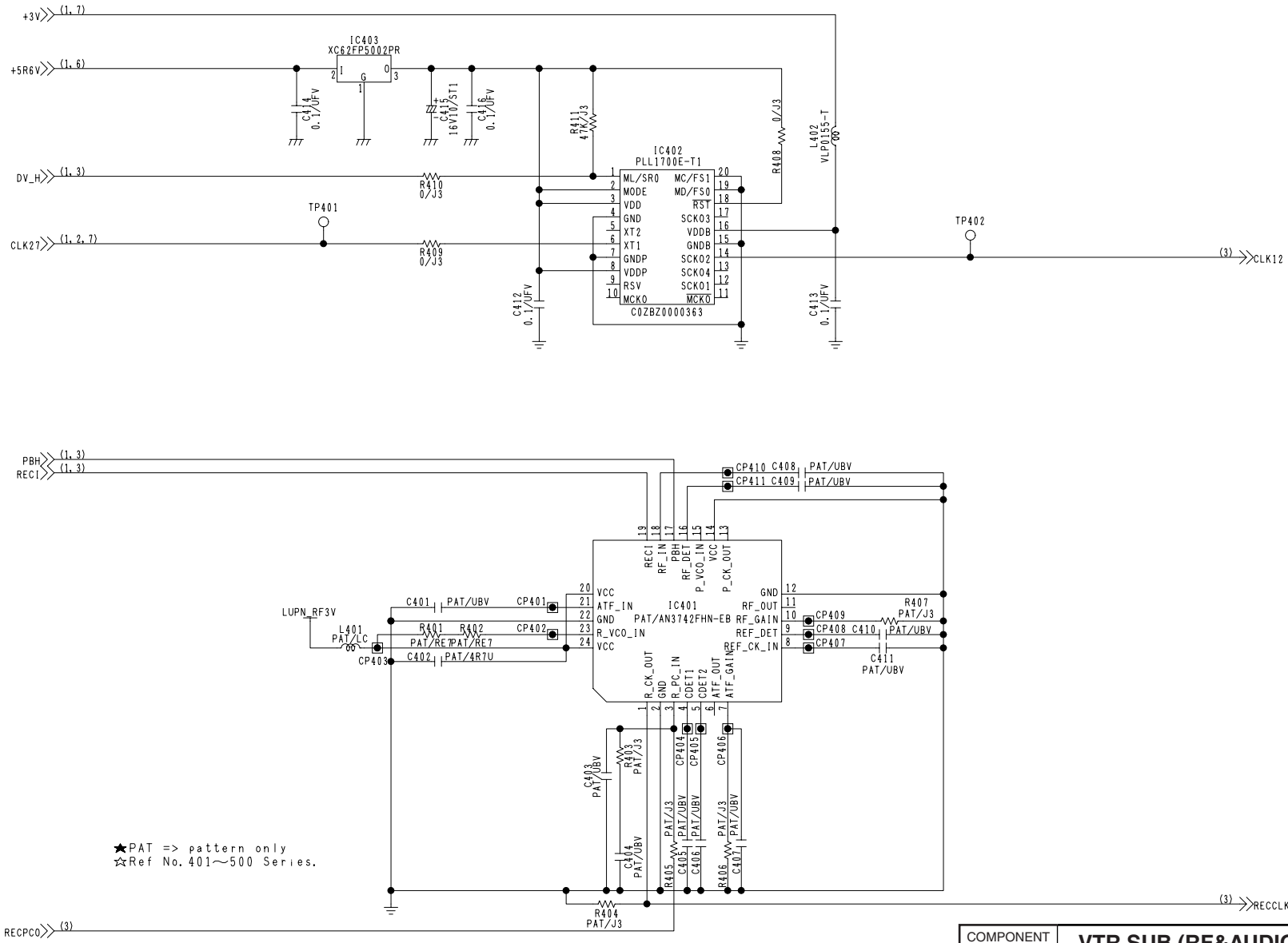
COMPONENT NAME	**VTR SUB (VIOLA)**	02/07
CIRCUIT BOARD NO.		DRAWING NO.
NTSC : VEP83579A		KR30200
		SCM034



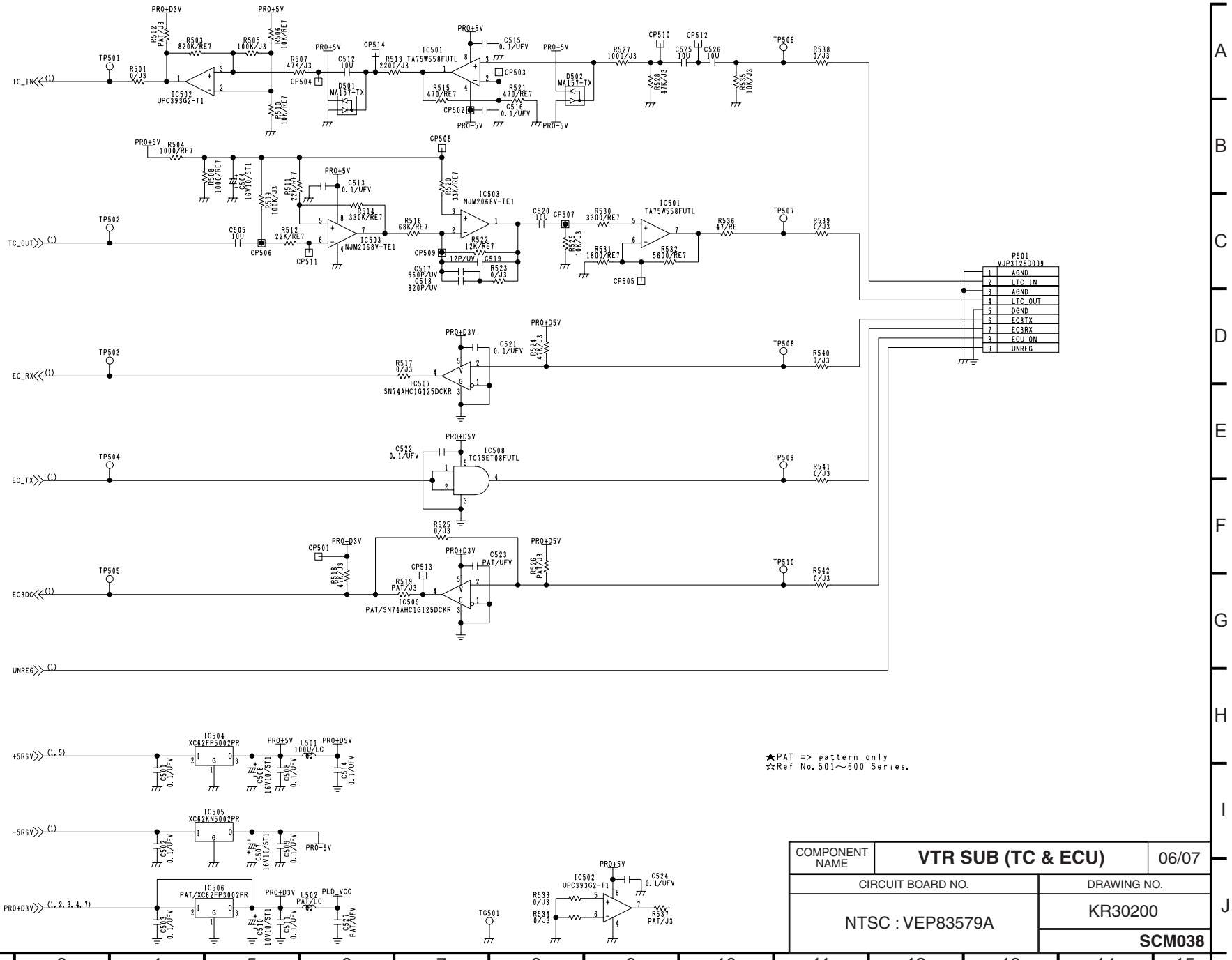
COMPONENT NAME	VTR SUB (LUPIN)	03/07
CIRCUIT BOARD NO.		DRAWING NO.
NTSC : VEP83579A		KR30200
		SCM035



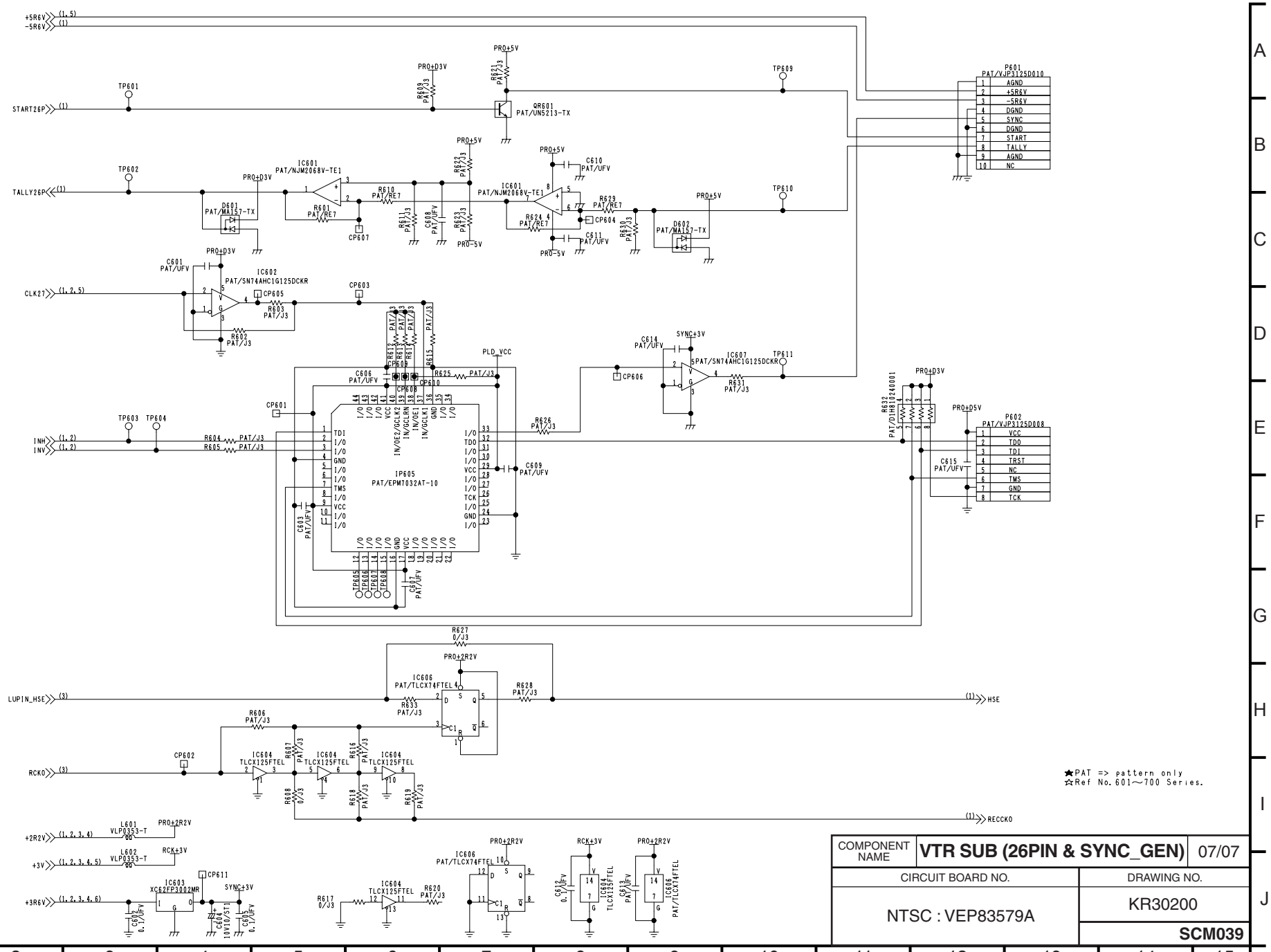
COMPONENT NAME	VTR SUB (PINE++)	04/07
CIRCUIT BOARD NO.		DRAWING NO.
NTSC : VEP83579A		KR30200
		SCM036



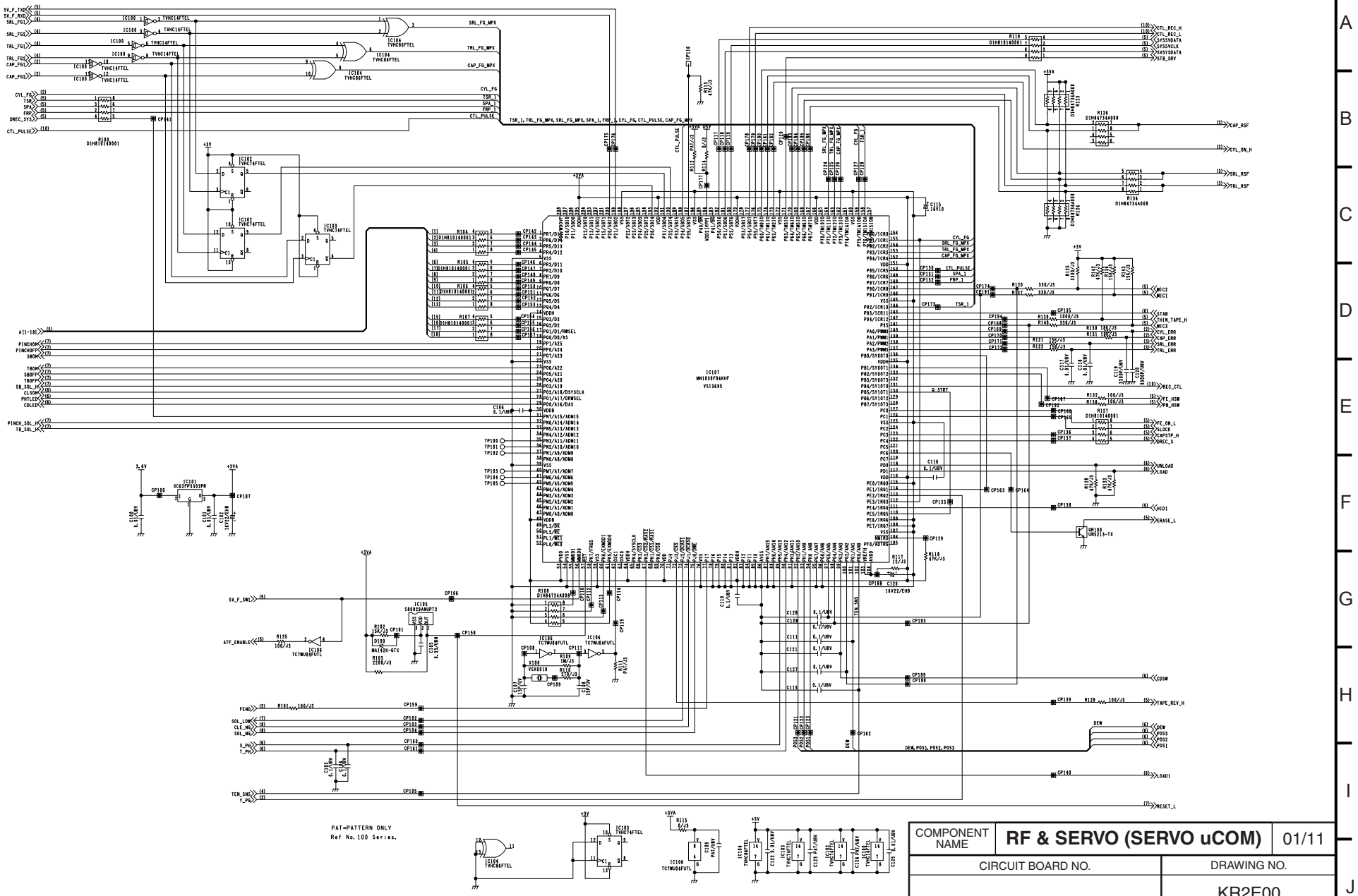
COMPONENT NAME	VTR SUB (RF&AUDIO PLL)	05/07
CIRCUIT BOARD NO.		DRAWING NO.
NTSC : VEP83579A		KR30200
		SCM037



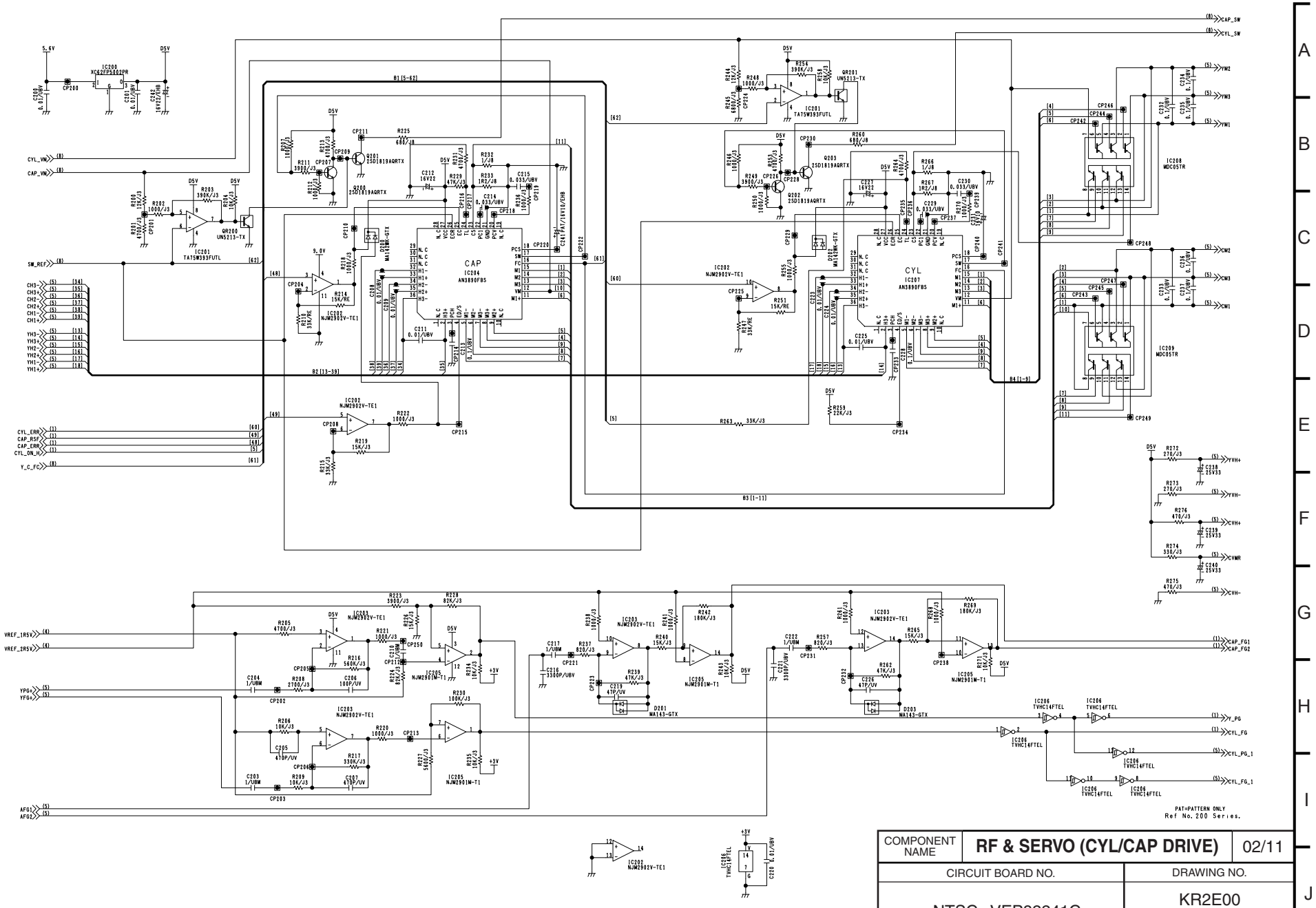
COMPONENT NAME	VTR SUB (TC & ECU)	06/07
CIRCUIT BOARD NO.		DRAWING NO.
NTSC : VEP83579A		KR30200
		SCM038



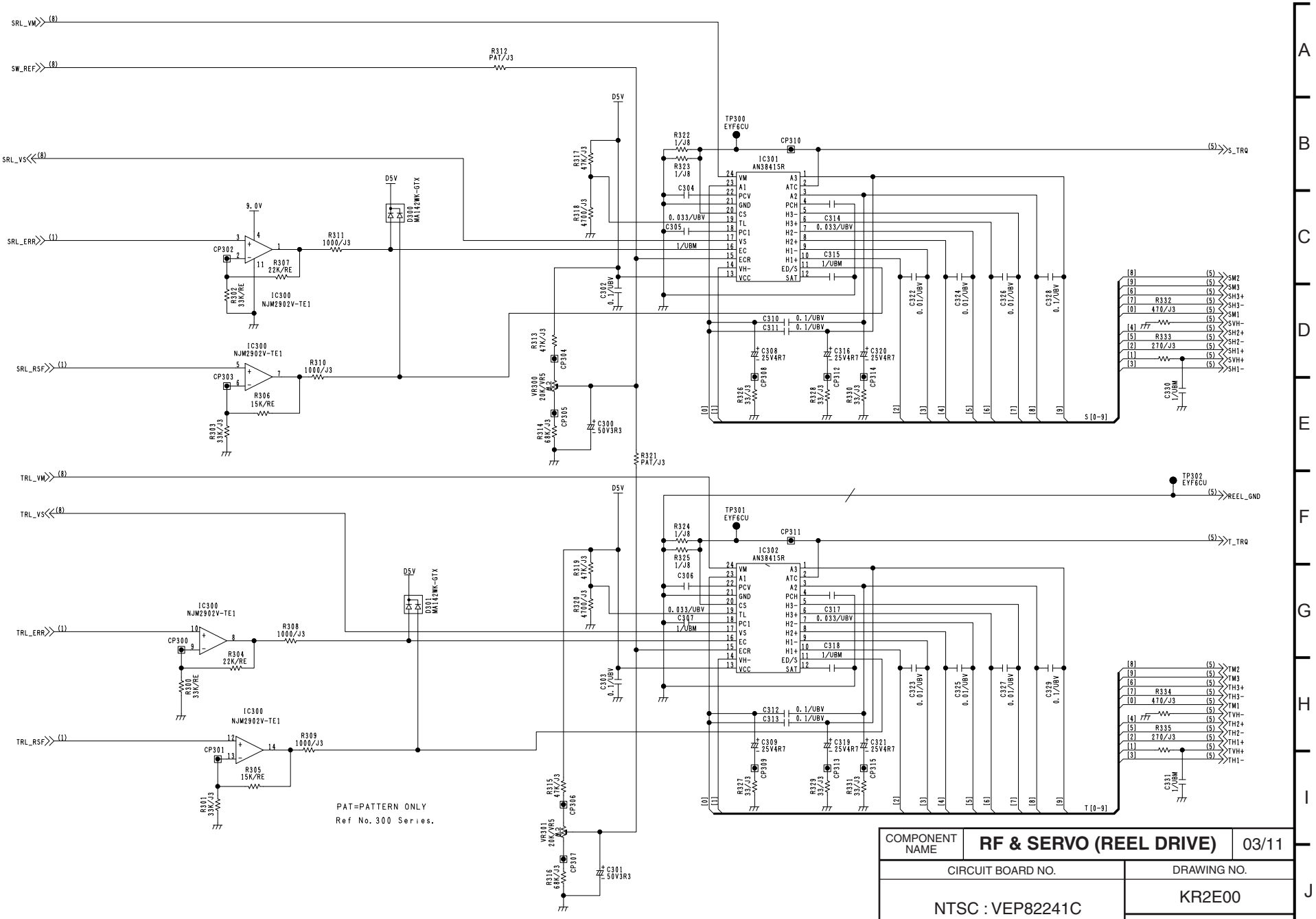
COMPONENT NAME	VTR SUB (26PIN & SYNC_GEN)	07/07
CIRCUIT BOARD NO.		DRAWING NO.
NTSC : VEP83579A		KR30200
		SCM039



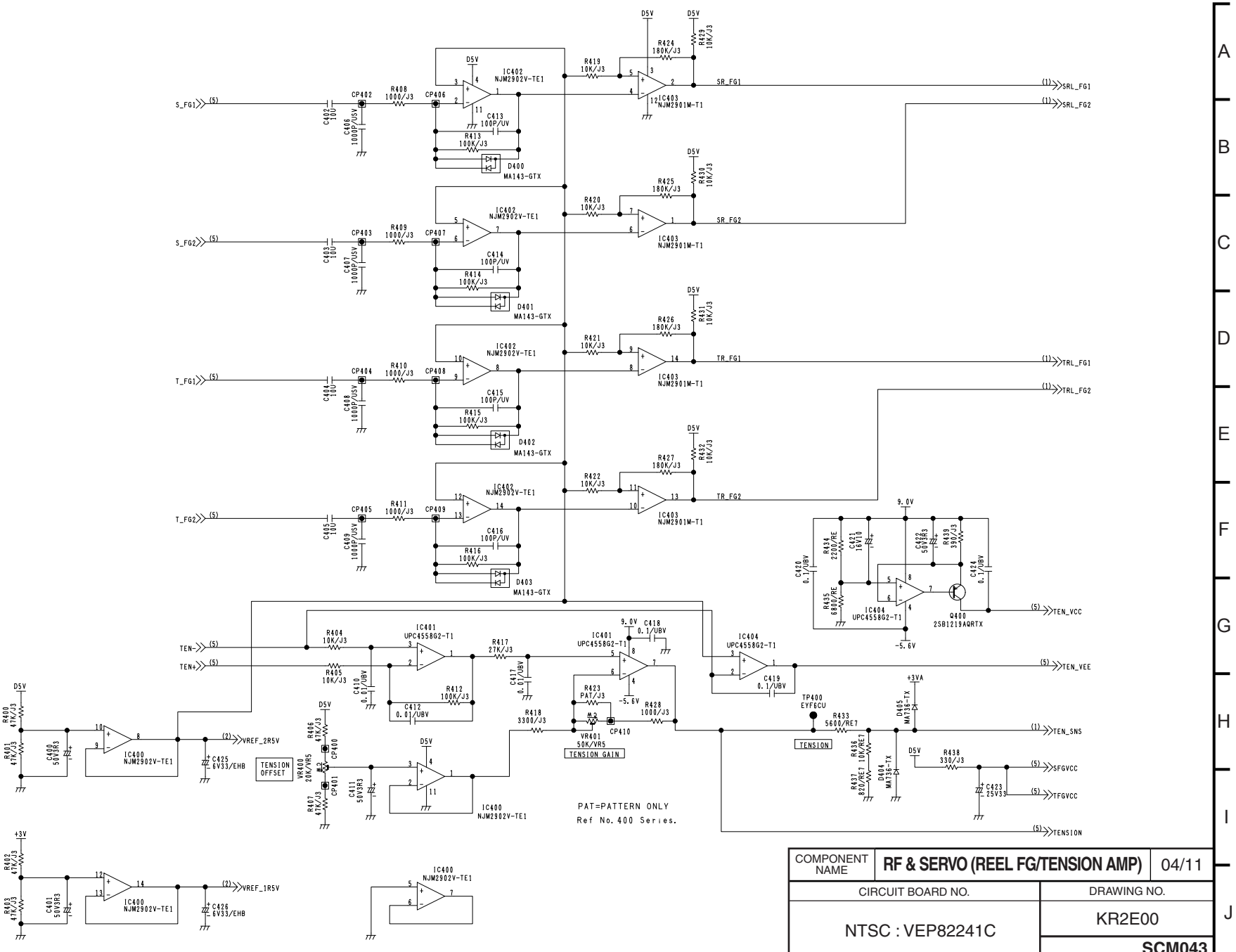
COMPONENT NAME	**RF & SERVO (SERVO uCOM)**	01/11
CIRCUIT BOARD NO.		DRAWING NO.
NTSC : VEP82241C		KR2E00
		SCM040



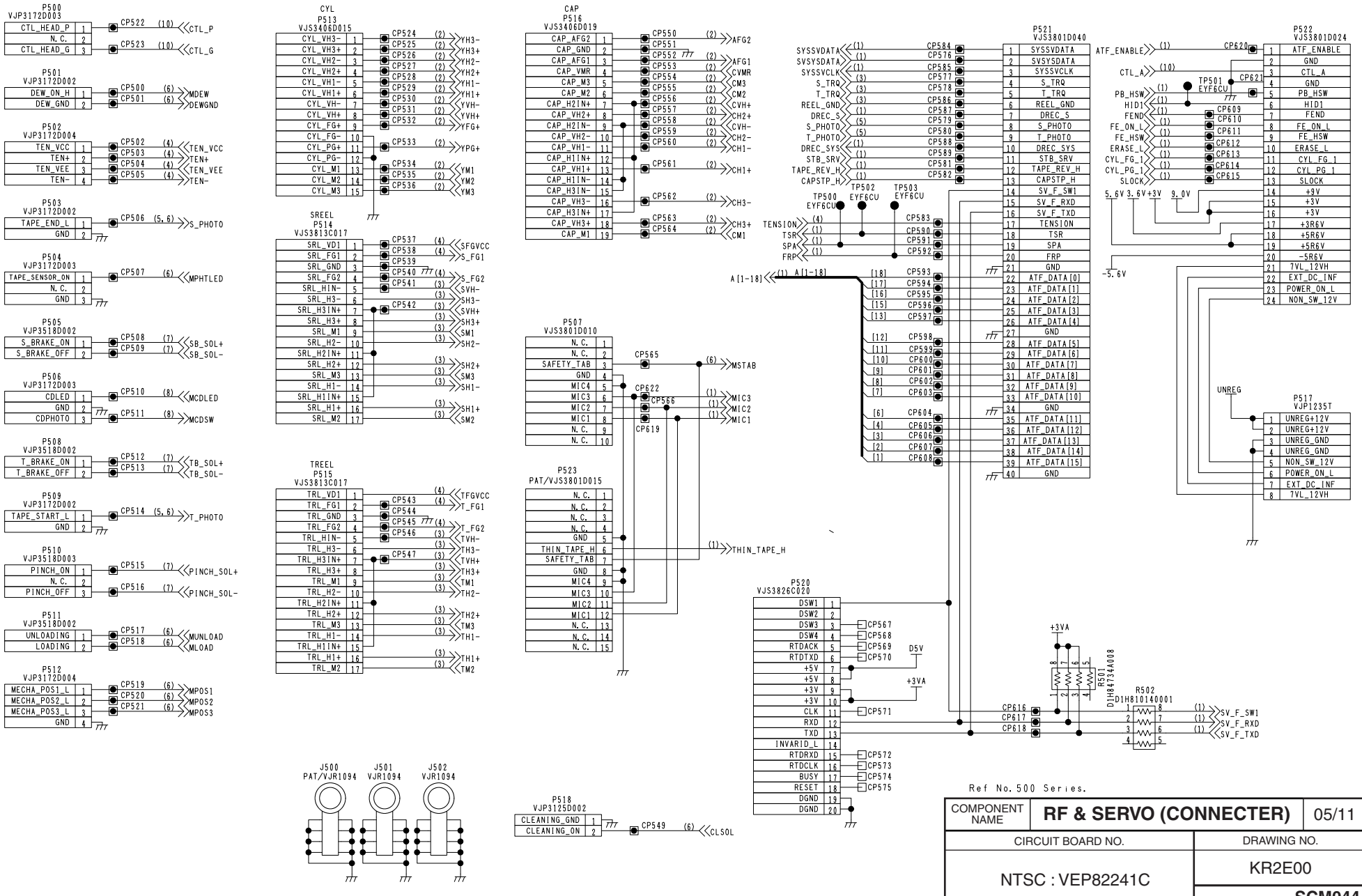
COMPONENT NAME	**RF & SERVO (CYL/CAP DRIVE)**	02/11
CIRCUIT BOARD NO.	DRAWING NO.	
NTSC : VEP82241C	KR2E00	
	SCM041	

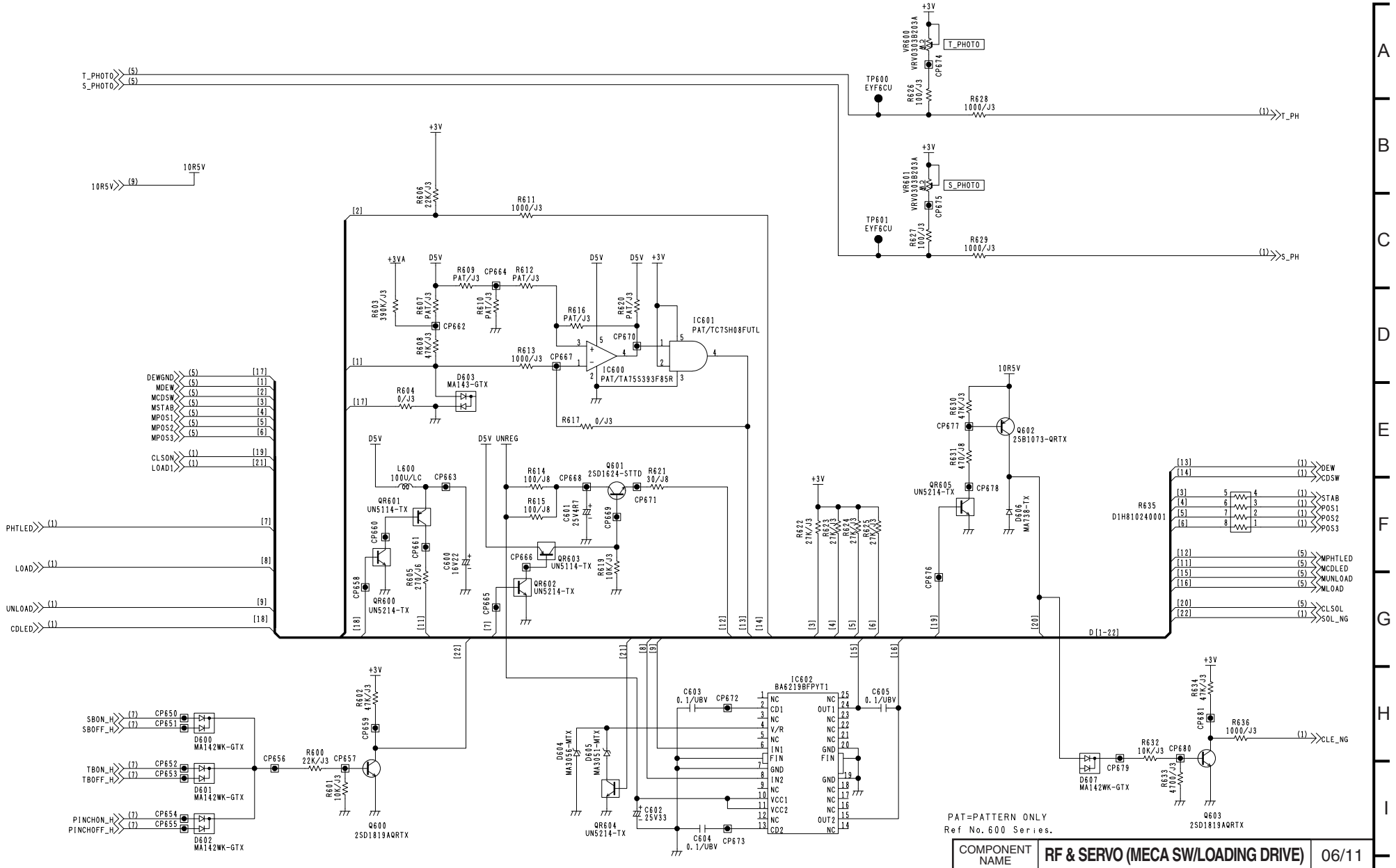


COMPONENT NAME	RF & SERVO (REEL DRIVE)	03/11
CIRCUIT BOARD NO.		DRAWING NO.
NTSC : VEP82241C		KR2E00
		SCM042

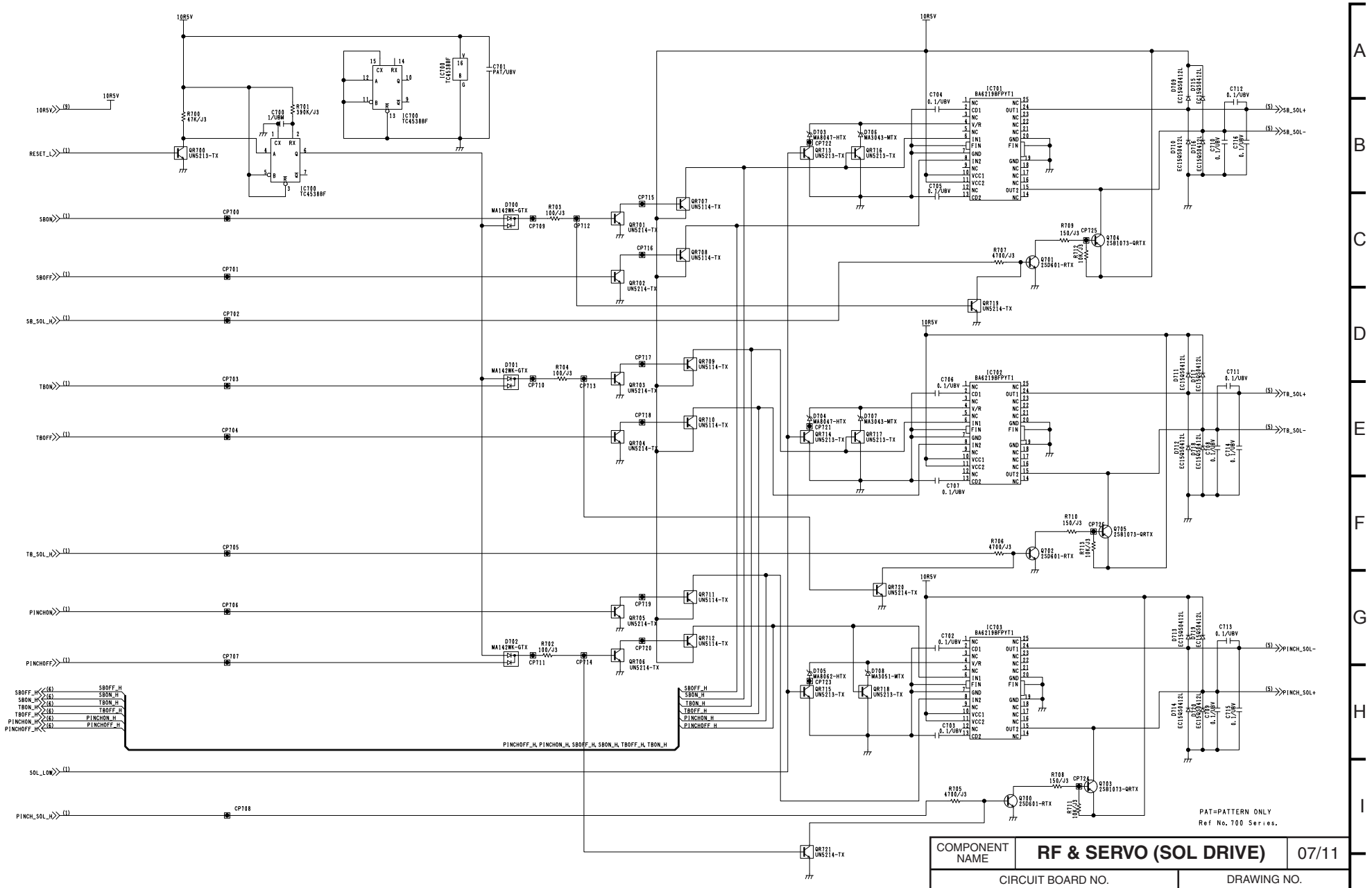


COMPONENT NAME	**RF & SERVO (REEL FG/TENSION AMP)**	04/11
CIRCUIT BOARD NO.	DRAWING NO.	
NTSC : VEP82241C	KR2E00	
	SCM043	

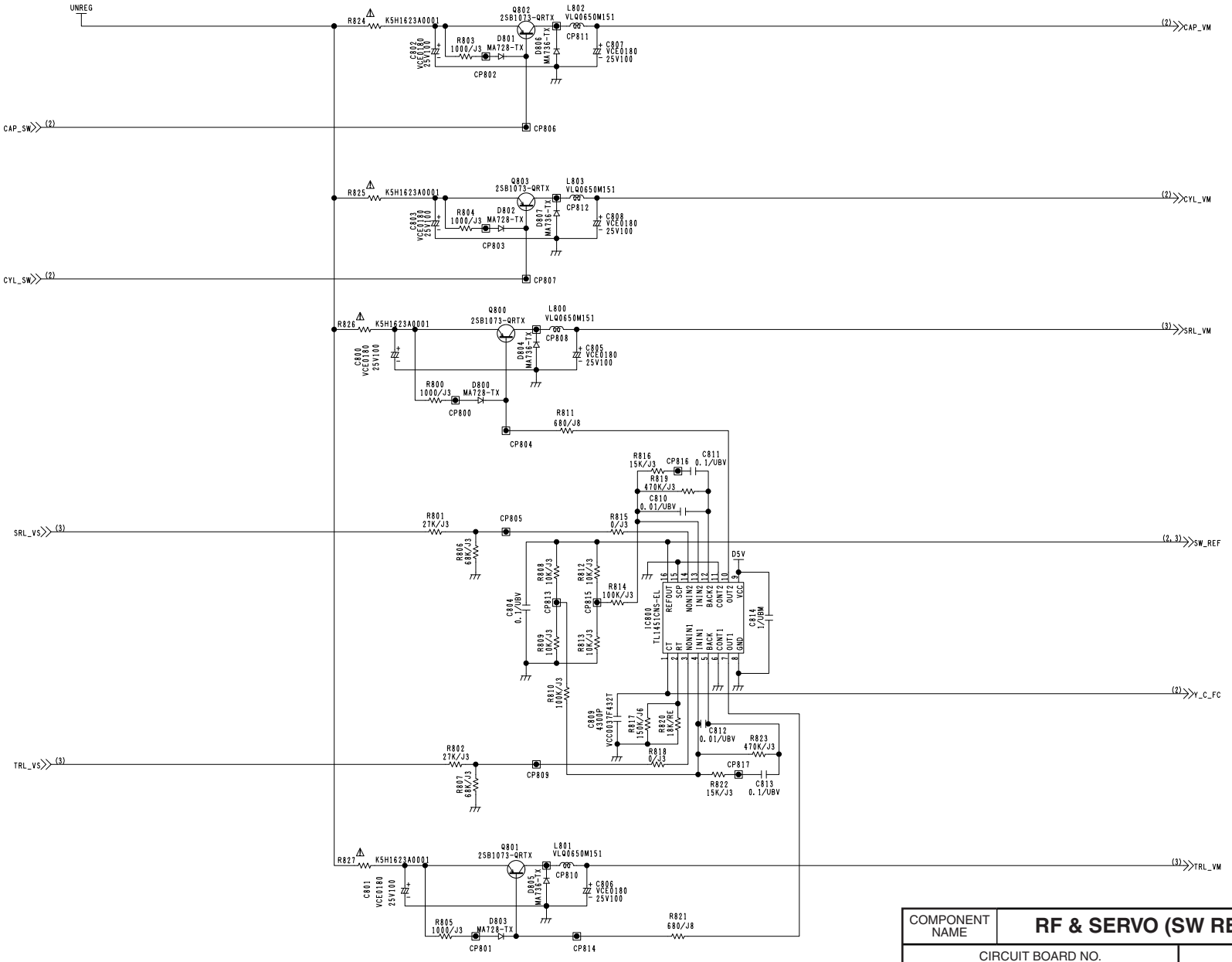

P500 VJP3172D003
CTL_HEAD_P 1
N. C. 2
CTL_HEAD_G 3
CP522 (10) CTL_P
CP523 (10) CTL_G
P501 VJP3172D002
DEW_ON_H 1
DEW_GND 2
CP500 (6) MDEW
CP501 (6) DEWGND
P502 VJP3172D004
TEN_VCC 1
TEN+ 2
TEN_VEE 3
TEN- 4
CP502 (4) TEN_VCC
CP503 (4) TEN+
CP504 (4) TEN_VEE
CP505 (4) TEN-
P503 VJP3172D002
TAPE_END_L 1
GND 2
CP506 (5, 6) S_PHOTO
P504 VJP3172D003
TAPE_SENSOR_ON 1
N. C. 2
GND 3
CP507 (6) MPHTLED
P505 VJP3518D002
S_BRAKE_ON 1
S_BRAKE_OFF 2
CP508 (7) SB_SOL+
CP509 (7) SB_SOL-
P506 VJP3172D003
CDLED 1
GND 2
CDPHOTO 3
CP510 (8) MCDLED
CP511 (8) MCDSW
P508 VJP3518D002
T_BRAKE_ON 1
T_BRAKE_OFF 2
CP512 (7) TB_SOL+
CP513 (7) TB_SOL-
P509 VJP3172D002
TAPE_START_L 1
GND 2
CP514 (5, 6) T_PHOTO
P510 VJP3518D003
PINCH_ON 1
N. C. 2
PINCH_OFF 3
CP515 (7) PINCH_SOL+
CP516 (7) PINCH_SOL-
P511 VJP3518D002
UNLOADING 1
LOADING 2
CP517 (6) MUNLOAD
CP518 (6) MLOAD
P512 VJP3172D004
MECHA_POS1_L 1
MECHA_POS2_L 2
MECHA_POS3_L 3
GND 4
CP519 (6) MPOS1
CP520 (6) MPOS2
CP521 (6) MPOS3
CYL P513 VJS3406D015
CYL_VH3- 1
CYL_VH3+ 2
CYL_VH2- 3
CYL_VH2+ 4
CYL_VH1- 5
CYL_VH1+ 6
CYL_VH- 7
CYL_VH+ 8
CYL_FG+ 9
CYL_FG- 10
CYL_PG+ 11
CYL_PG- 12
CYL_M1 13
CYL_M2 14
CYL_M3 15
CP524 (2) YH3-
CP525 (2) YH3+
CP526 (2) YH2-
CP527 (2) YH2+
CP528 (2) YH1-
CP529 (2) YH1+
CP530 (2) VVH-
CP531 (2) VVH+
CP532 (2) YFG+
CP533 (2) YPG+
CP534 (2) YM1
CP535 (2) YM2
CP536 (2) YM3
SREEL P514 VJS3813C017
SRL_VD1 1
SRL_FG1 2
SRL_GND 3
SRL_FG2 4
SRL_H1N- 5
SRL_H3- 6
SRL_H3IN+ 7
SRL_H3+ 8
SRL_M1 9
SRL_H2- 10
SRL_H2IN+ 11
SRL_H2+ 12
SRL_M3 13
SRL_H1- 14
SRL_H1IN+ 15
SRL_H1+ 16
SRL_M2 17
CP537 (4) SFGVCC
CP538 (4) S_FG1
CP539
CP540 (4) S_FG2
CP541 (3) SVH-
(3) SH3-
CP542 (3) SVH+
(3) SH3+
(3) SM1
(3) SH2-
(3) SH2+
(3) SM3
(3) SH1-
(3) SH1+
(3) SM2
TREEL P515 VJS3813C017
TRL_VD1 1
TRL_FG1 2
TRL_GND 3
TRL_FG2 4
TRL_H1N- 5
TRL_H3- 6
TRL_H3IN+ 7
TRL_H3+ 8
TRL_M1 9
TRL_H2- 10
TRL_H2IN+ 11
TRL_H2+ 12
TRL_M3 13
TRL_H1- 14
TRL_H1IN+ 15
TRL_H1+ 16
TRL_M2 17
(4) TFGVCC
CP543 (4) T_FG1
CP544
CP545 (4) T_FG2
CP546 (3) TVH-
(3) TH3-
CP547 (3) TVH+
(3) TH3+
(3) TM1
(3) TH2-
(3) TH2+
(3) TM3
(3) TH1-
(3) TH1+
(3) TM2
J500 PAT/VJR1094
J501 VJR1094
J502 VJR1094
CAP P516 VJS3406D019
CAP_AFG2 1
CAP_GND 2
CAP_AFG1 3
CAP_VMR 4
CAP_M3 5
CAP_M2 6
CAP_H2IN+ 7
CAP_VH2+ 8
CAP_H2IN- 9
CAP_VH2- 10
CAP_VH1- 11
CAP_H1IN+ 12
CAP_VH1+ 13
CAP_H1IN- 14
CAP_H3IN- 15
CAP_VH3- 16
CAP_H3IN+ 17
CAP_VH3+ 18
CAP_M1 19
CP550 (2) AFG2
CP551
CP552 (2) AFG1
CP553 (2) CVMR
CP554 (2) CM3
CP555 (2) CM2
CP556 (2) CVH+
CP557 (2) CH2+
CP558 (2) CVH-
CP559 (2) CH2-
CP560 (2) CH1-
CP561 (2) CH1+
CP562 (2) CH3-
CP563 (2) CH3+
CP564 (2) CM1
P507 VJS3801D010
N. C. 1
N. C. 2
SAFETY_TAB 3
GND 4
MIC4 5
MIC3 6
MIC2 7
MIC1 8
N. C. 9
N. C. 10
CP565 (6) MSTAB
CP622
CP566 (1) MIC3
(1) MIC2
(1) MIC1
CP619
P523 PAT/VJS3801D015
N. C. 1
N. C. 2
N. C. 3
N. C. 4
GND 5
THIN_TAPE_H 6
SAFETY_TAB 7
GND 8
MIC4 9
MIC3 10
MIC2 11
MIC1 12
N. C. 13
N. C. 14
N. C. 15
(1) THIN_TAPE_H
P518 VJP3125D002
CLEANING_GND 1
CLEANING_ON 2
CP549 (6) CLSOL
P520 VJS3826C020
DSW1 1
DSW2 2
DSW3 3
DSW4 4
RTDACK 5
RTDTXD 6
+5V 7
+5V 8
+3V 9
+3V 10
CLK 11
RXD 12
TXD 13
INVARID_L 14
RTDRXD 15
RTDCLK 16
BUSY 17
RESET 18
DGND 19
DGND 20
CP567
CP568
CP569
CP570
D5V
+3VA
CP571
CP572
CP573
CP574
CP575
P521 VJS3801D040
1 SYSSVDATA
2 SVSYSDATA
3 SYSSVCLK
4 S_TRQ
5 T_TRQ
6 REEL_GND
7 DREC_S
8 S_PHOTO
9 T_PHOTO
10 DREC_SYS
11 STB_SRV
12 TAPE_REV_H
13 CAPSTP_H
14 SV_F_SW1
15 SV_F_RXD
16 SV_F_TXD
17 TENSION
18 TSR
19 SPA
20 FRP
21 GND
22 ATF_DATA[0]
23 ATF_DATA[1]
24 ATF_DATA[2]
25 ATF_DATA[3]
26 ATF_DATA[4]
27 GND
28 ATF_DATA[5]
29 ATF_DATA[6]
30 ATF_DATA[7]
31 ATF_DATA[8]
32 ATF_DATA[9]
33 ATF_DATA[10]
34 GND
35 ATF_DATA[11]
36 ATF_DATA[12]
37 ATF_DATA[13]
38 ATF_DATA[14]
39 ATF_DATA[15]
40 GND
SYSSVDATA (1) CP584 CP576
SVSYSDATA (1) CP585
SYSSVCLK (3) CP577
S_TRQ (3) CP578
T_TRQ (3) CP586
REEL_GND (1) CP587
DREC_S (5) CP579
S_PHOTO (5) CP580
T_PHOTO (1) CP588
DREC_SYS (1) CP589
STB_SRV (1) CP581
TAPE_REV_H (1) CP582
CAPSTP_H
TP500 EYF6CU
TP502 EYF6CU
TP503 EYF6CU
TENSION (4) CP583
TSR (1) CP590
SPA (1) CP591
FRP (1) CP592
A[1-18] (1) A[1-18]
[18] CP593
[17] CP594
[16] CP595
[15] CP596
[13] CP597
[12] CP598
[11] CP599
[10] CP600
[9] CP601
[8] CP602
[7] CP603
[6] CP604
[4] CP605
[3] CP606
[2] CP607
[1] CP608
P522 VJS3801D024
1 ATF_ENABLE
2 GND
3 CTL_A
4 GND
5 PB_HSW
6 HID1
7 FEND
8 FE_ON_L
9 FE_HSW
10 ERASE_L
11 CYL_FG_1
12 CYL_PG_1
13 SLOCK
14 +9V
15 +3V
16 +3V
17 +3R6V
18 +5R6V
19 +5R6V
20 -5R6V
21 7VL_12VH
22 EXT_DC_INF
23 POWER_ON_L
24 NON_SW_12V
ATF_ENABLE (1) CP620
CTL_A (10)
TP501 EYF6CU CP621
PB_HSW (1)
HID1 (1) CP609
FEND (1) CP610
FE_ON_L (1) CP611
FE_HSW (1) CP612
ERASE_L (1) CP613
CYL_FG_1 (1) CP614
CYL_PG_1 (1) CP615
SLOCK (1)
5.6V 3.6V +3V 9.0V
-5.6V
UNREG
P517 VJP1235T
1 UNREG+12V
2 UNREG+12V
3 UNREG_GND
4 UNREG_GND
5 NON_SW_12V
6 POWER_ON_L
7 EXT_DC_INF
8 7VL_12VH
+3VA
R501 D1H84734A008
CP616
CP617
CP618
R502 D1H810140001
(1) SV_F_SW1
(1) SV_F_RXD
(1) SV_F_TXD
Ref No. 500 Series.
COMPONENT NAME
RF & SERVO (CONNECTER)
05/11
CIRCUIT BOARD NO.
NTSC : VEP82241C
DRAWING NO.
KR2E00
SCM044



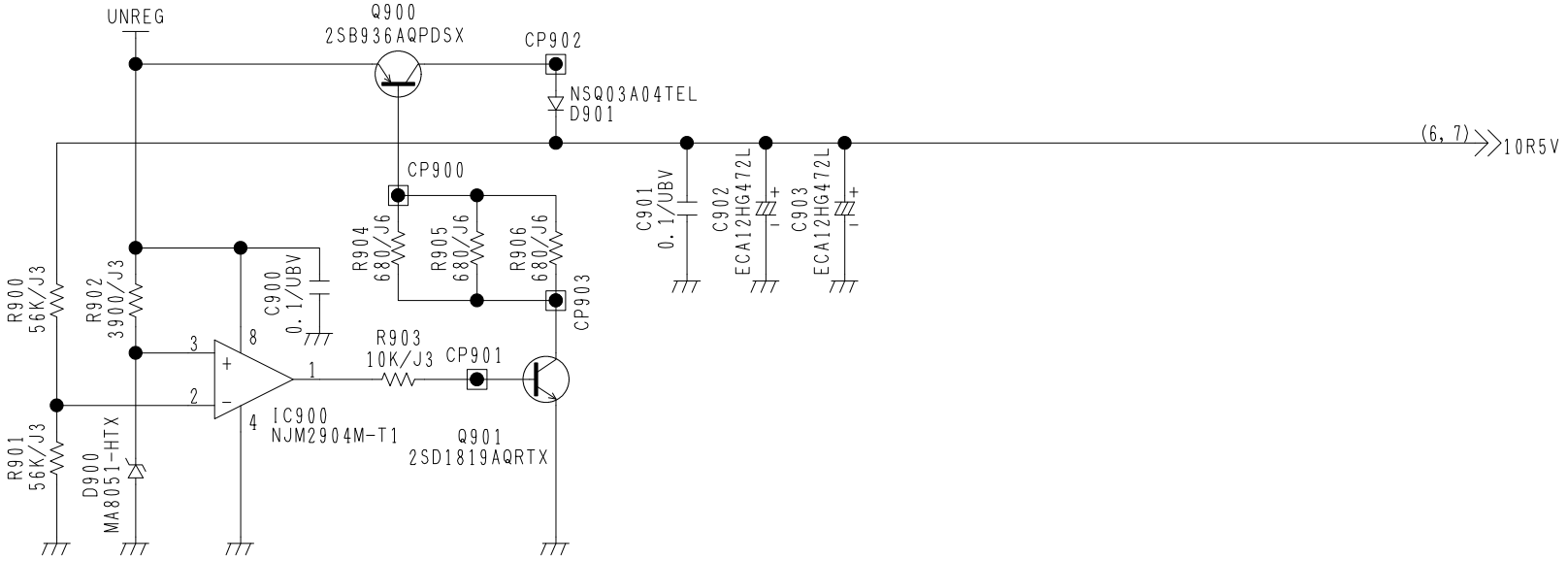
COMPONENT NAME	RF & SERVO (MECA SW/LOADING DRIVE)	06/11
CIRCUIT BOARD NO.		DRAWING NO.
NTSC : VEP82241C		KR2E00
		SCM045

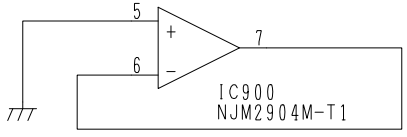


COMPONENT NAME	RF & SERVO (SOL DRIVE)	07/11
CIRCUIT BOARD NO.		DRAWING NO.
NTSC : VEP82241C		KR2E00
		SCM046

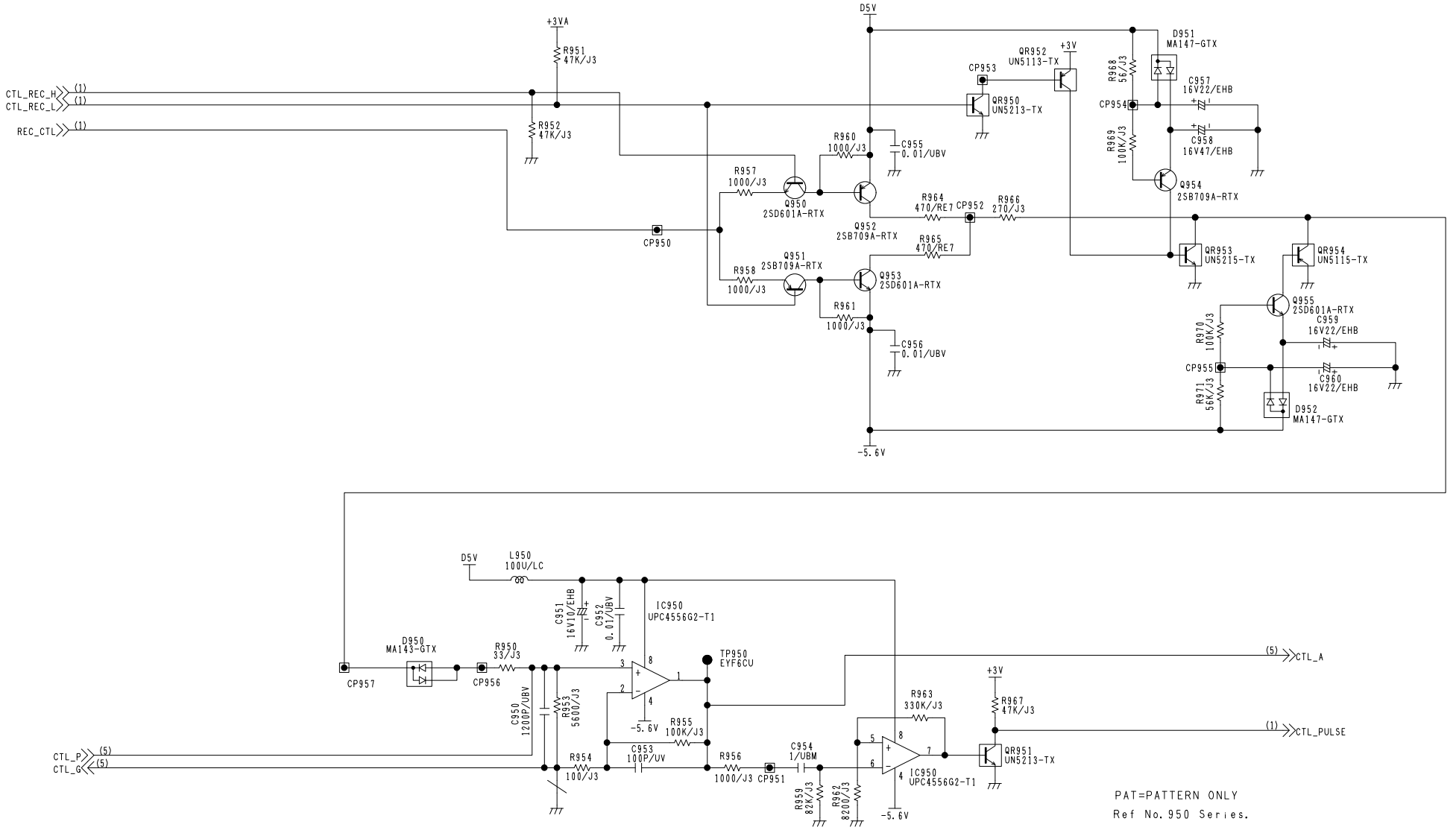


COMPONENT NAME	RF & SERVO (SW REG)	08/11
CIRCUIT BOARD NO.		DRAWING NO.
NTSC : VEP82241C		KR2E00
		SCM047

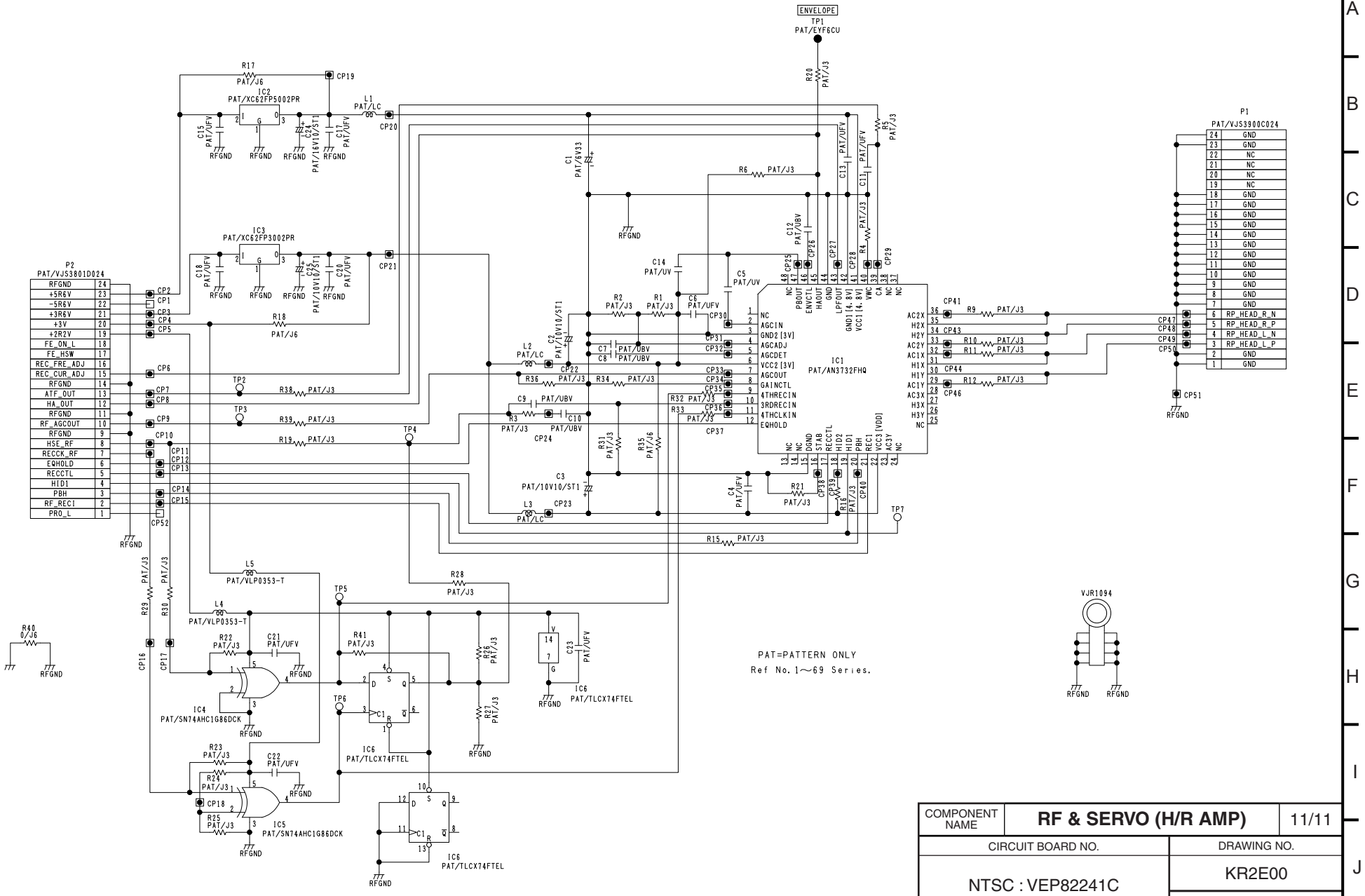




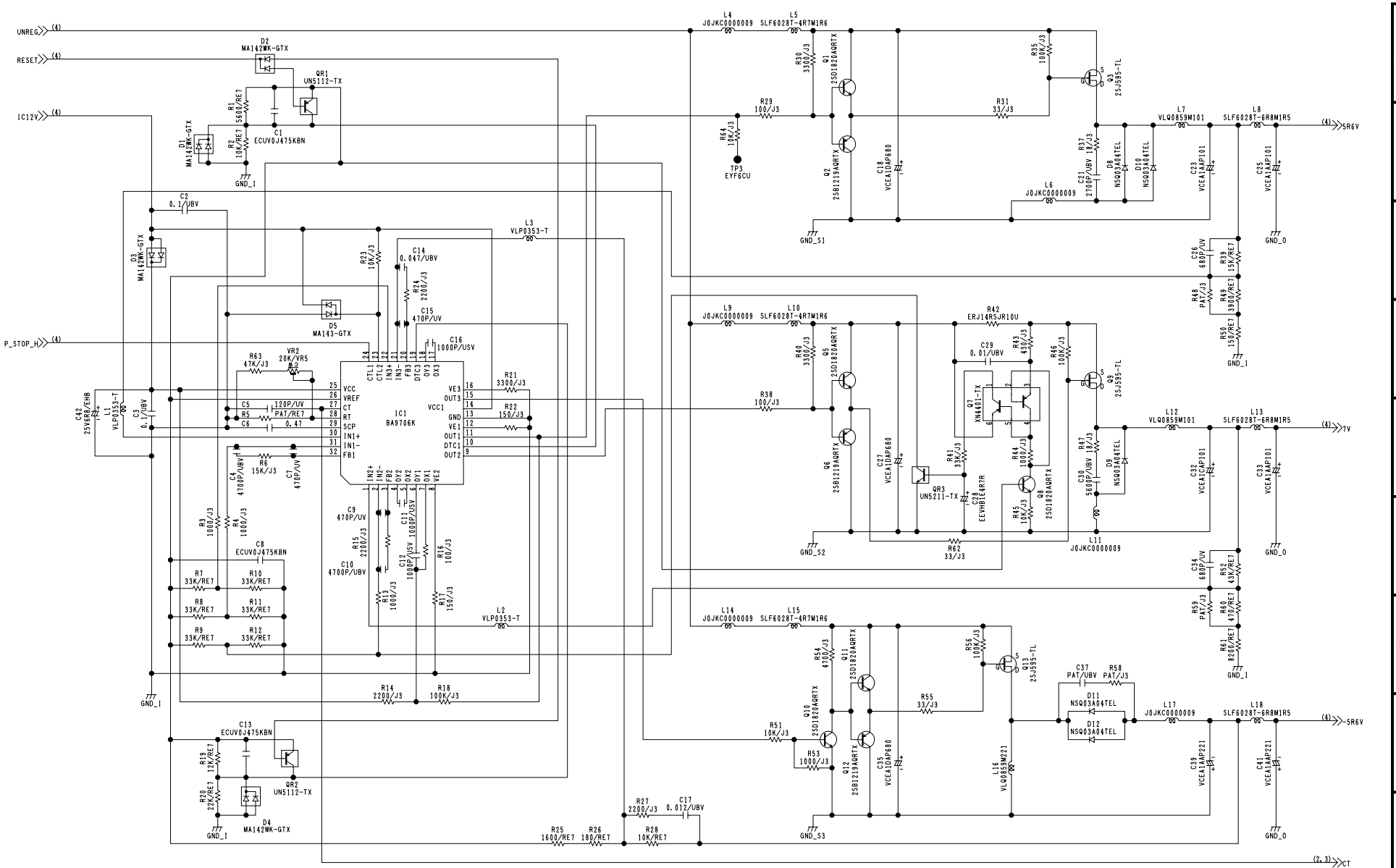
COMPONENT NAME	RF & SERVO (SOL POWER)	09/11
CIRCUIT BOARD NO.		DRAWING NO.
NTSC : VEP82241C		KR2E00
		SCM048



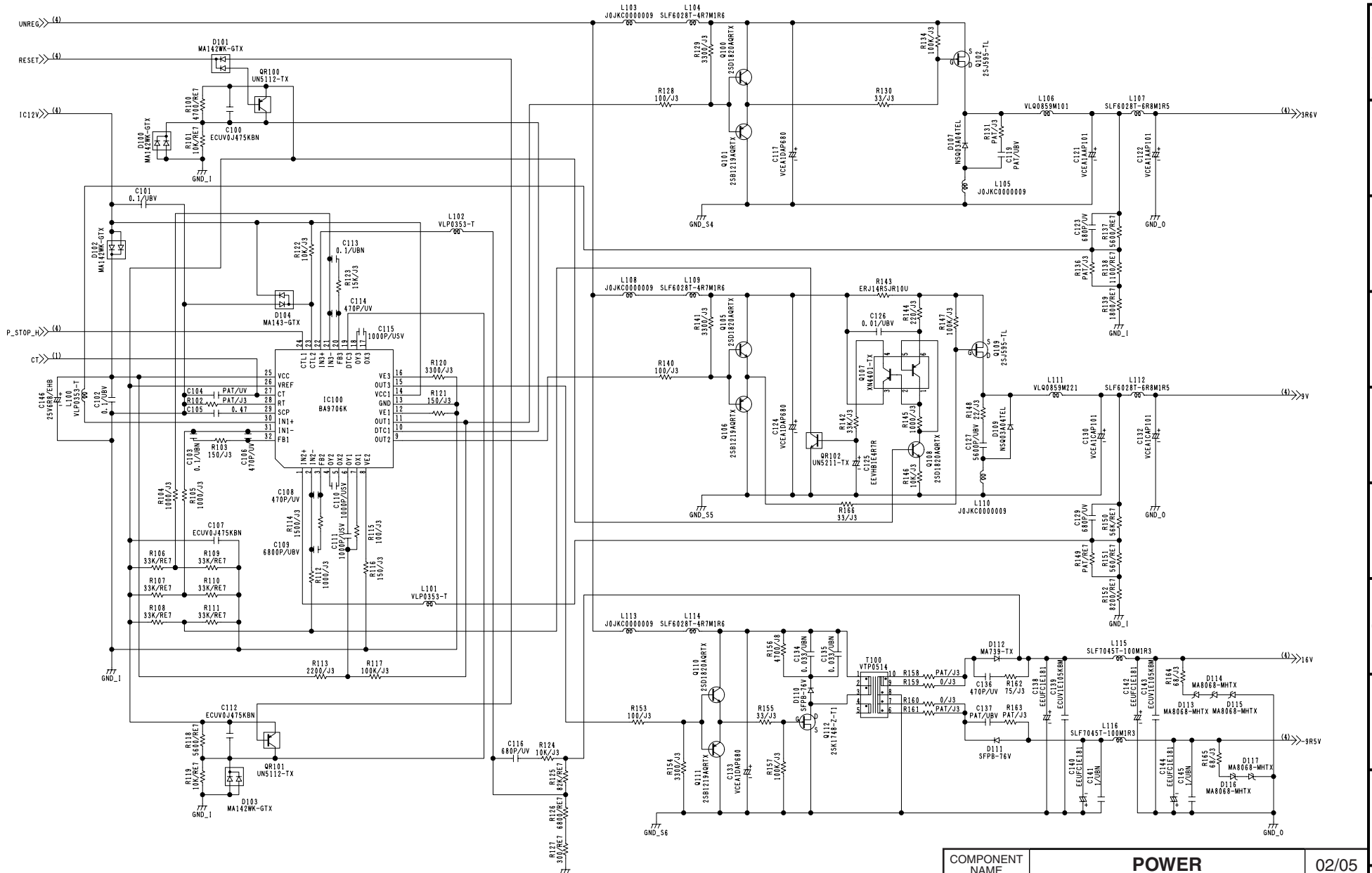
COMPONENT NAME	**RF & SERVO (CTL AMP)**	10/11
CIRCUIT BOARD NO.		DRAWING NO.
NTSC : VEP82241C		KR2E00
		SCM049



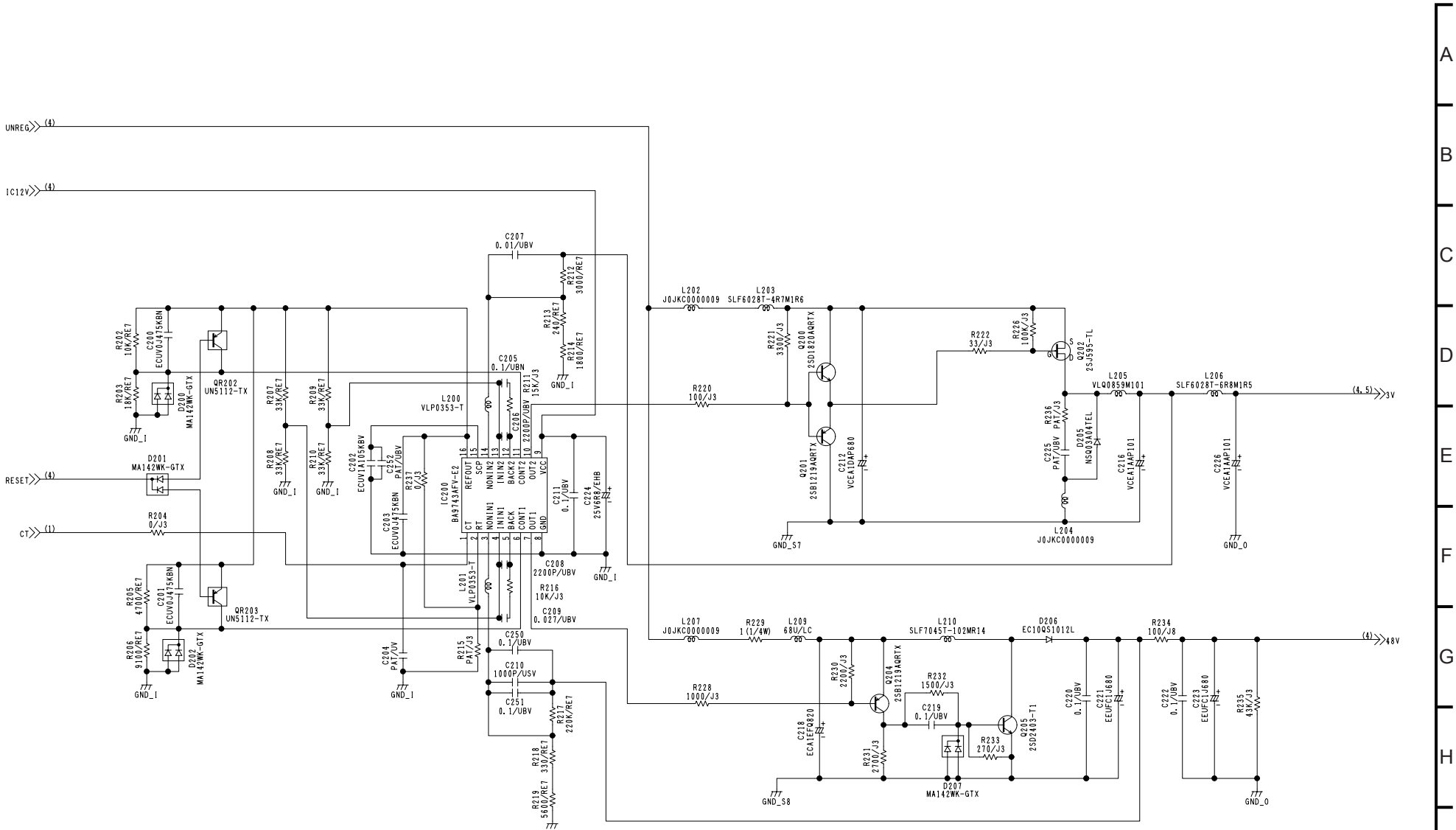
COMPONENT NAME	RF & SERVO (H/R AMP)		11/11
CIRCUIT BOARD NO.		DRAWING NO.	
NTSC : VEP82241C		KR2E00	
		SCM050	



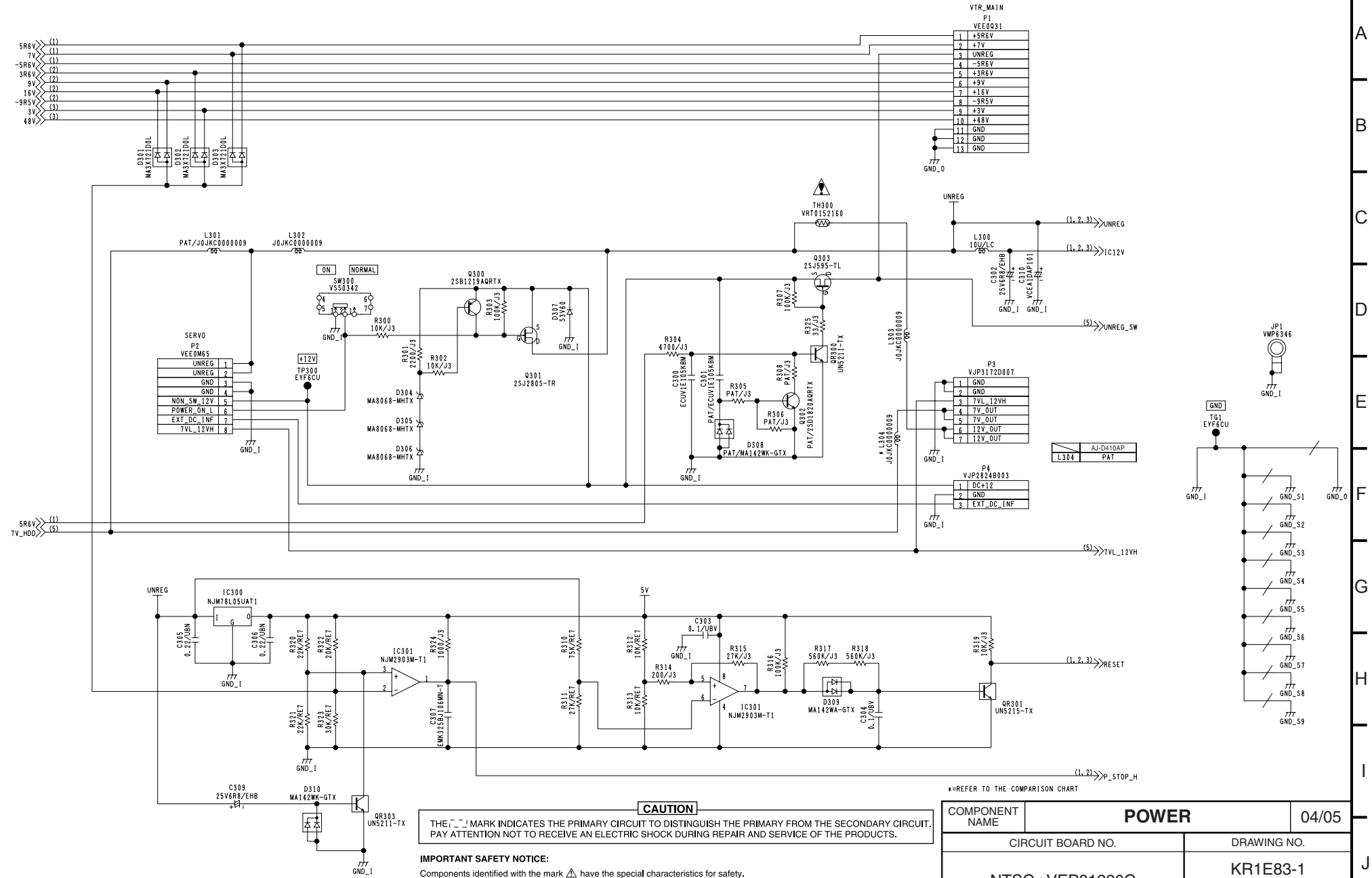
COMPONENT NAME	**POWER**	01/05
CIRCUIT BOARD NO.		DRAWING NO.
NTSC : VEP81220C		KR1E83-1
		SCM051



COMPONENT NAME	**POWER**	02/05
CIRCUIT BOARD NO.		DRAWING NO.
NTSC : VEP81220C		KR1E83-1
		SCM052



COMPONENT NAME	**POWER**	03/05
CIRCUIT BOARD NO.		DRAWING NO.
NTSC : VEP81220C		KR1E83-1
		SCM053



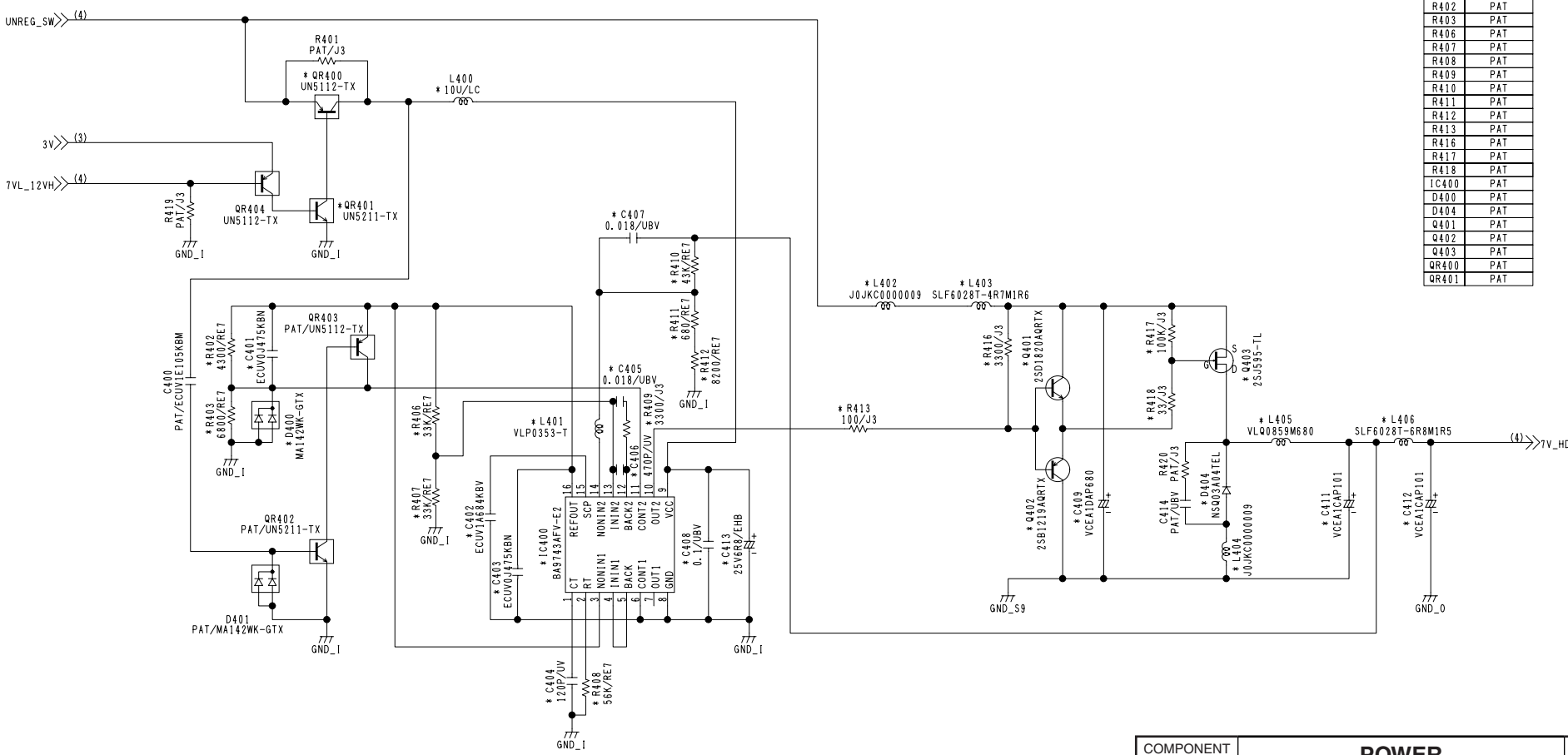
CAUTION

THE ⏚ MARK INDICATES THE PRIMARY CIRCUIT TO DISTINGUISH THE PRIMARY FROM THE SECONDARY CIRCUIT. PAY ATTENTION NOT TO RECEIVE AN ELECTRIC SHOCK DURING REPAIR AND SERVICE OF THE PRODUCTS.

IMPORTANT SAFETY NOTICE:

Components identified with the mark ⚠ have the special characteristics for safety.
When replacing any of these components, use only the same type.

COMPONENT NAME	POWER	04/05
CIRCUIT BOARD NO.		DRAWING NO.
NTSC : VEP81220C		KR1E83-1
		SCM054

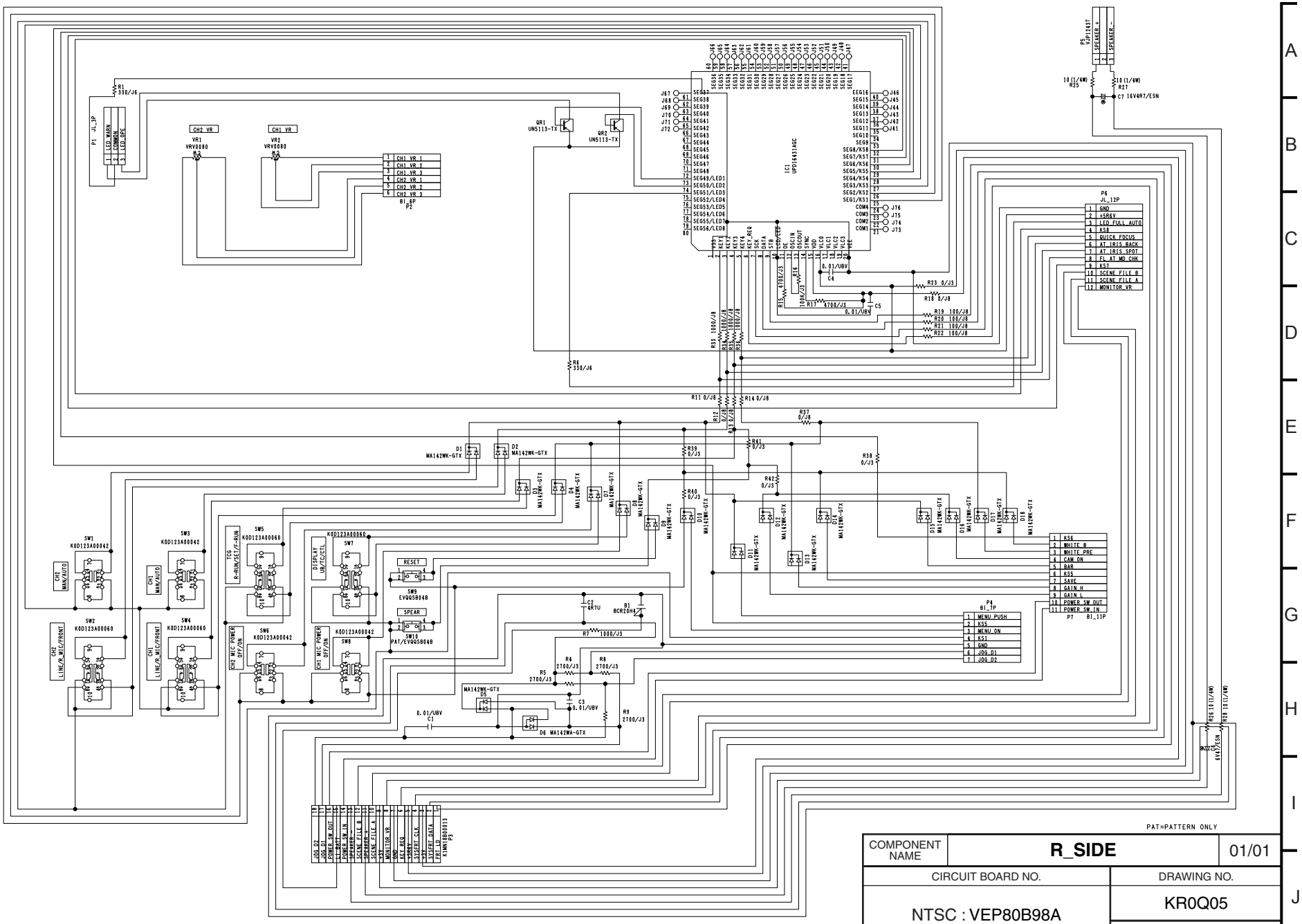


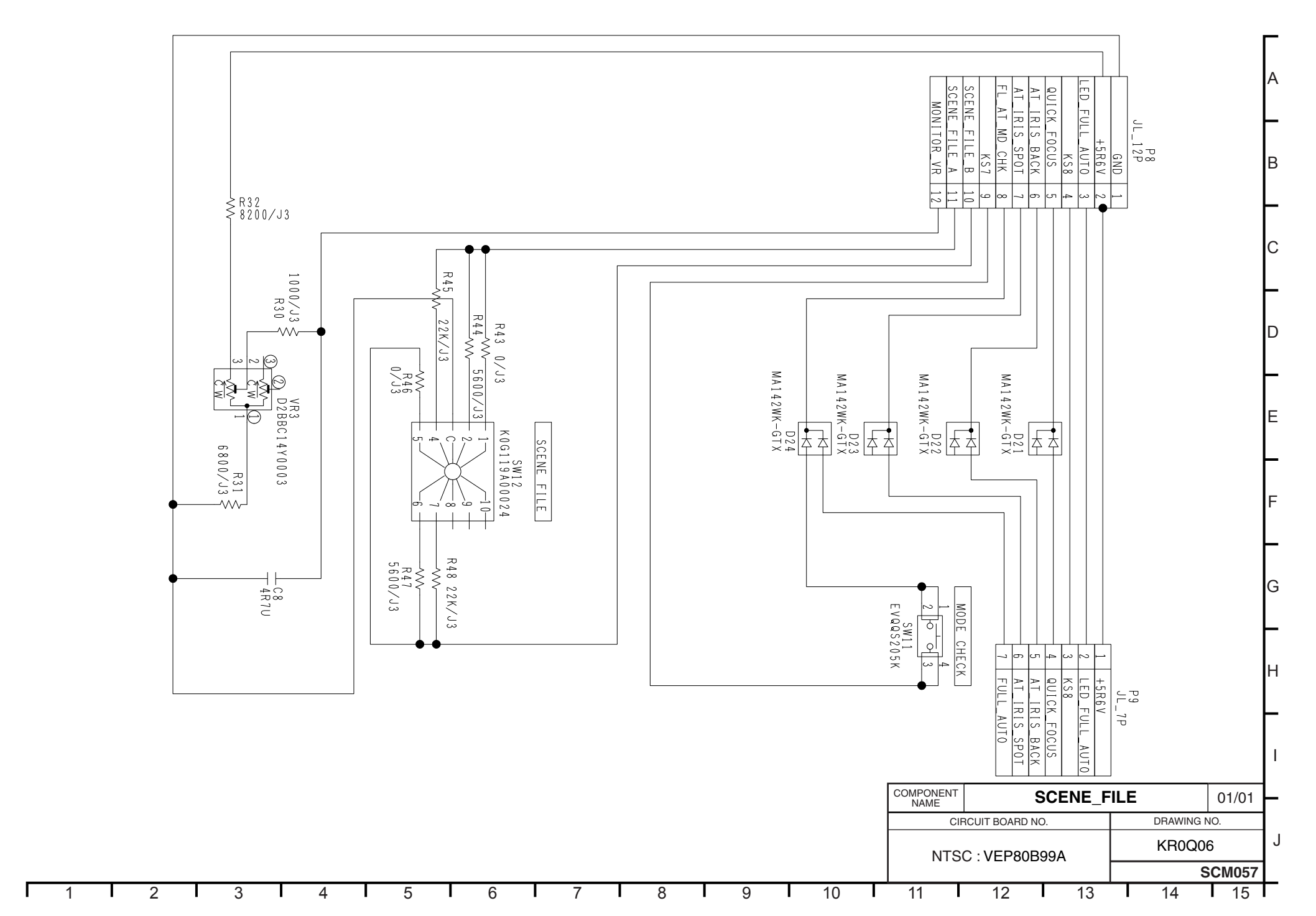
	AJ-D410AP
L400	PAT
L401	PAT
L402	PAT
L403	PAT
L404	PAT
L405	PAT
L406	PAT

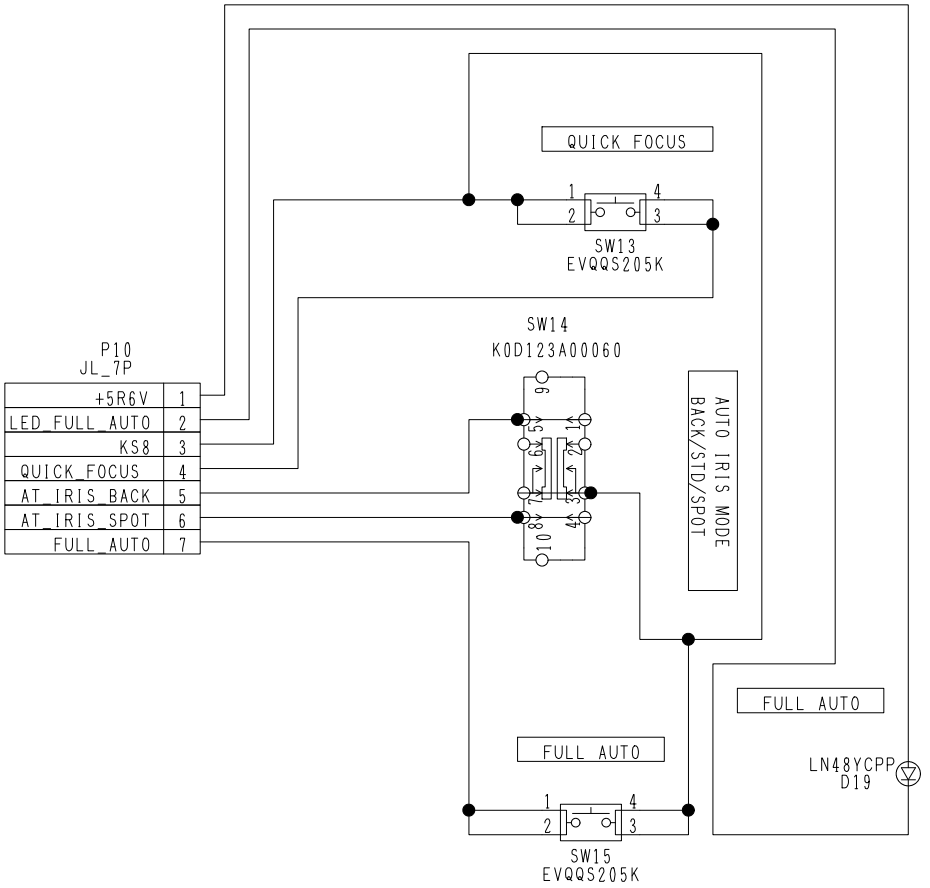
	AJ-D410AP
C401	PAT
C402	PAT
C403	PAT
C404	PAT
C405	PAT
C406	PAT
C407	PAT
C408	PAT
C409	PAT
C411	PAT
C412	PAT
C413	PAT
R402	PAT
R403	PAT
R406	PAT
R407	PAT
R408	PAT
R409	PAT
R410	PAT
R411	PAT
R412	PAT
R413	PAT
R416	PAT
R417	PAT
R418	PAT
IC400	PAT
D400	PAT
D404	PAT
Q401	PAT
Q402	PAT
Q403	PAT
QR400	PAT
QR401	PAT

*=REFER TO THE COMPARISON CHART

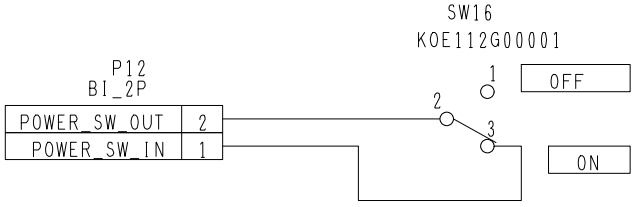
COMPONENT NAME	POWER	05/05
CIRCUIT BOARD NO.		DRAWING NO.
NTSC : VEP81220C		KR1E83-1
		SCM055


P1 JL_3P
LED WARN
COMMON
LED OPE
CH2 VR
CH1 VR
VR1 VRV0080
VR2 VRV0080
P2 BI_6P
CH1 VR 1
CH1 VR 2
CH1 VR 3
CH2 VR 1
CH2 VR 2
CH2 VR 3
QR1 UN5113-TX
QR2 UN5113-TX
IC1 UPD16451AGC
P6 JL_12P
GND
+5R6V
LED FULL AUTO
KS8
QUICK FOCUS
AT IRIS BACK
AT IRIS SPOT
FL AT MD CHK
KS7
SCENE FILE B
SCENE FILE A
MONITOR VR
P5 BI12483T
SPEAKER +
SPEAKER -
C7 16V4R7/ESN
D1 MA142WK-GTX
D2 MA142WK-GTX
D3 MA142WK-GTX
D4 MA142WK-GTX
D5 MA142WA-GTX
D6 MA142WA-GTX
SW1 K0D123A00042
SW2 K0D123A00060
SW3 K0D123A00042
SW4 K0D123A00060
SW5 K0D123A00060
SW6 K0D123A00042
SW7 K0D123A00060
SW8 K0D123A00042
SW9 EVQQS804B
SW10 PAT/EVQQS804B
CH2 MAN/AUTO
CH1 MAN/AUTO
CH2 LINE/R_MIC/FRONT
CH1 LINE/R_MIC/FRONT
CCD R-RUN/SET/F-RUN
SYSM INT UD/CS/CTL
CH2 MIC POWER OFF/ON
CH1 MIC POWER OFF/ON
RESET
SPEAR
P4 BI_7P
MENU PUSH
KS5
MENU ON
KS1
GND
JOG D1
JOG D2
P7 BI_11P
KS6
WHITE B
WHITE PRE
CAM ON
BAR
KS5
SAVE
GAIN H
GAIN L
POWER SW OUT
POWER SW IN
P3 KIN01B80013
B1 BCR2DH4
C1 0.01/UBV
C2 4R7U
C3 0.01/UBV
C4 0.01/UBV
C5 0.01/UBV
R1 330/J6
R6 330/J6
R7 1000/J3
R4 2700/J3
R5 2700/J3
R8 2700/J3
R9 2700/J3
R11 0/J8
R12 0/J8
R13 0/J8
R14 0/J8
R37 0/J8
R41 0/J3
R39 0/J3
R38 0/J3
R42 0/J3
R40 0/J3
R23 0/J3
R18 0/J8
R19 100/J8
R20 100/J8
R21 100/J8
R22 100/J8
R15 100K/J3
R16 470Ω/J3
R17 4700/J3
R25 10(1/4W)
R27 10(1/4W)
R28 10(1/4W)
6V4R7/ESN
PAT=PATTERN ONLY
COMPONENT NAME
R_SIDE
01/01
CIRCUIT BOARD NO.
NTSC : VEP80B98A
DRAWING NO.
KR0Q05
SCM056


P8
JL_12P
GND 1
+5R6V 2
LED_FULL_AUTO 3
KS8 4
QUICK_FOCUS 5
AT_IRIS_BACK 6
AT_IRIS_SPOT 7
FL_AT_MD_CHK 8
KS7 9
SCENE_FILE_B 10
SCENE_FILE_A 11
MONITOR_VR 12
R32
8200/J3
1000/J3
R30
VR3
D2BBC14Y0003
R31
680/J3
C8
4R7U
R45
22K/J3
R44
5600/J3
R43 0/J3
R46
0/J3
SW12
KOG119A00024
SCENE FILE
R47
5600/J3
R48 22K/J3
D24
MA142WK-GTX
D23
MA142WK-GTX
D22
MA142WK-GTX
D21
MA142WK-GTX
SW11
EVQQS205K
MODE CHECK
P9
JL_7P
+5R6V 1
LED_FULL_AUTO 2
KS8 3
QUICK_FOCUS 4
AT_IRIS_BACK 5
AT_IRIS_SPOT 6
FULL_AUTO 7
COMPONENT NAME
SCENE_FILE
01/01
CIRCUIT BOARD NO.
NTSC : VEP80B99A
DRAWING NO.
KR0Q06
SCM057



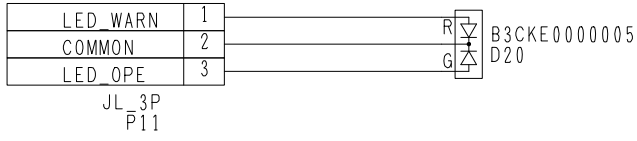
PAT=PATTERN ONLY



PAT=PATTERN ONLY

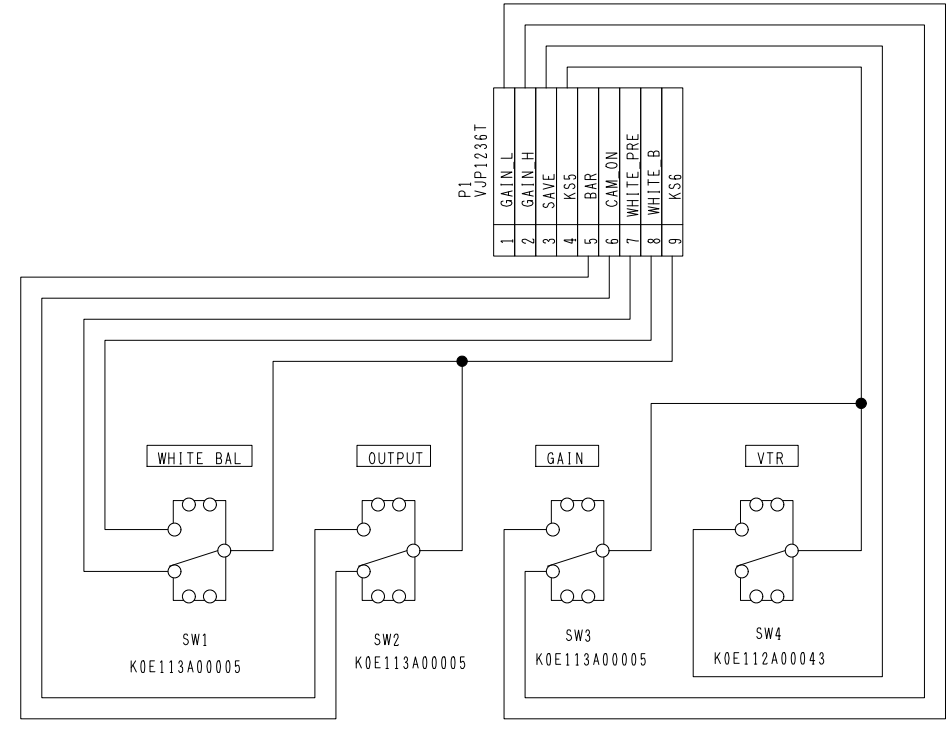
COMPONENT NAME	AUTO_IRIS	01/01
CIRCUIT BOARD NO.	DRAWING NO.	
NTSC: VEP80C00A	KR0Q07	
	SCM058	

COMPONENT NAME	POWER_SW	01/01
CIRCUIT BOARD NO.	DRAWING NO.	
NTSC: VEP80B97A	KR0Q04	
	SCM058	



PAT=PATTERN ONLY

COMPONENT NAME	LED	01/01
CIRCUIT BOARD NO.	DRAWING NO.	
NTSC: VEP80C01B	KR0Q08	
	SCM059	

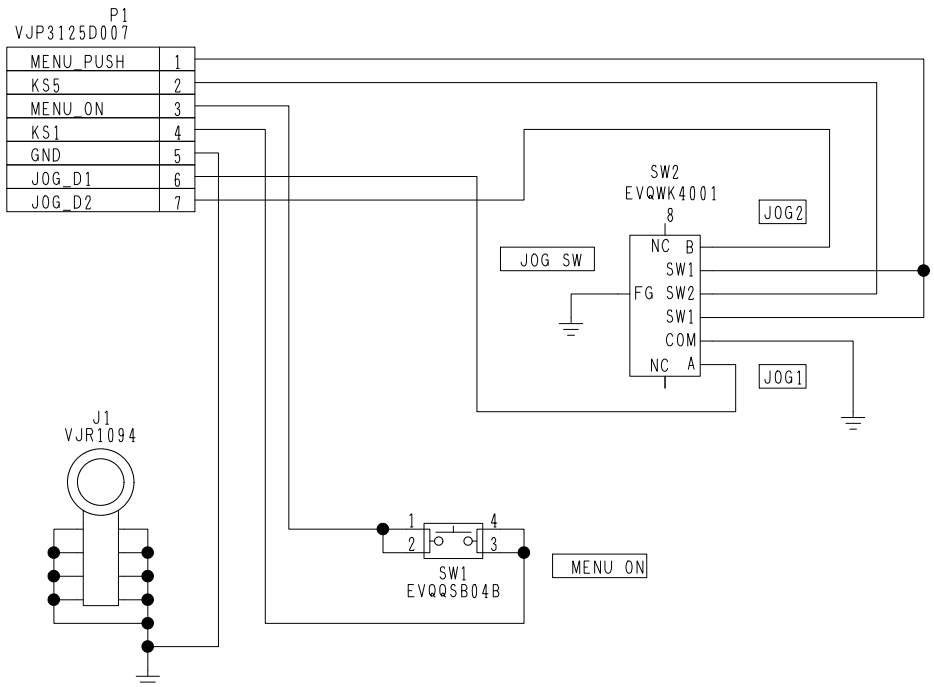


PAT=PATTERN ONLY

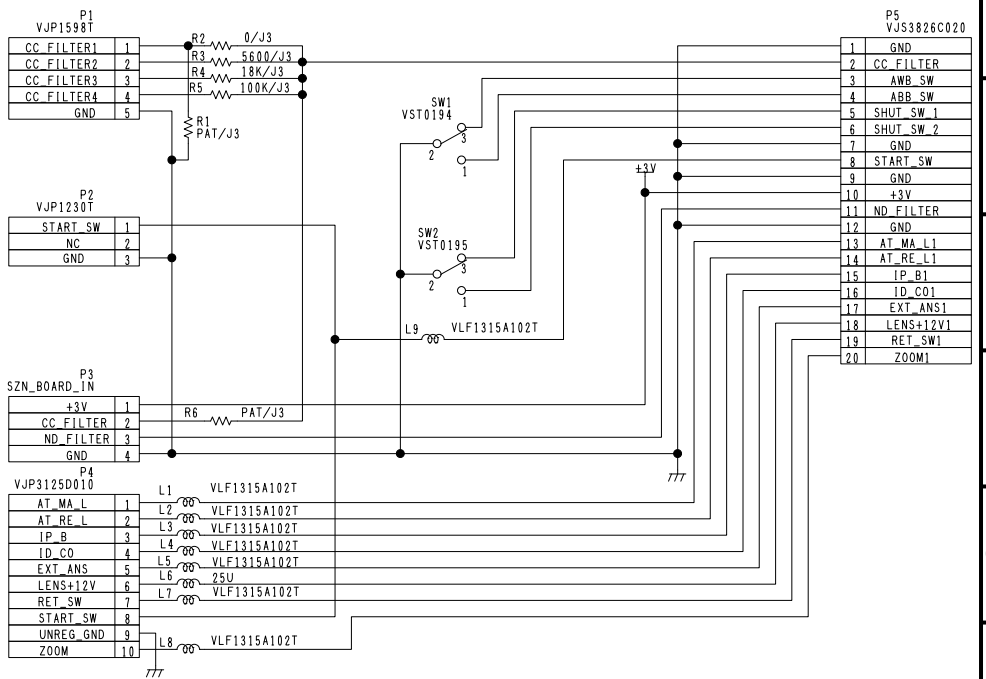
COMPONENT NAME	TOGGLE SW	01/01
CIRCUIT BOARD NO.	DRAWING NO.	
NTSC: VEP80B94A	KR0Q01	
	SCM059	

A B C D E F G H I J

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15



COMPONENT NAME	MENU_JOG	01/01
CIRCUIT BOARD NO.		DRAWING NO.
NTSC: VEP80B96A		KR0Q03
		SCM060

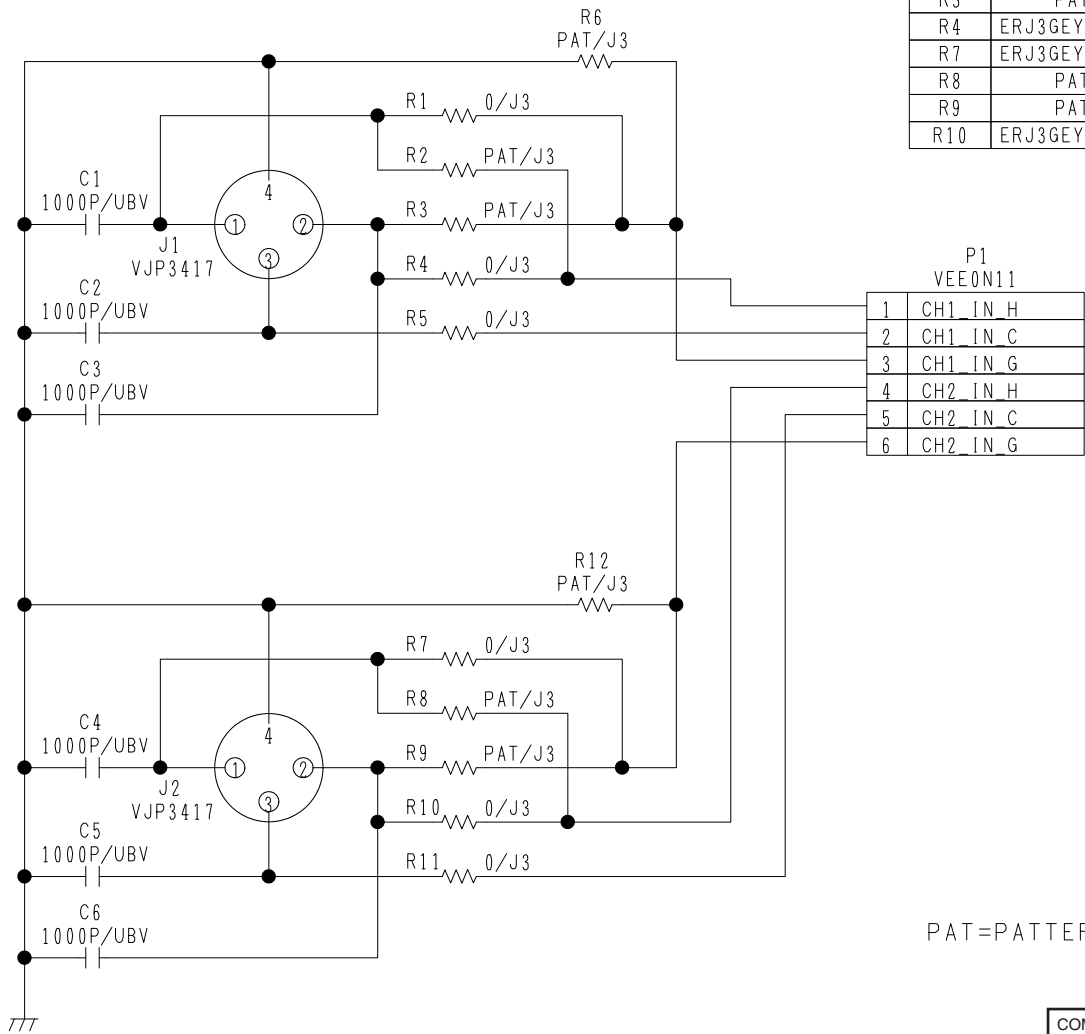


COMPONENT NAME	FRONT TOGGLE SW	01/01
CIRCUIT BOARD NO.		DRAWING NO.
NTSC: VEP80C02A		KR0Q10
		SCM060

A B C D E F G H I J

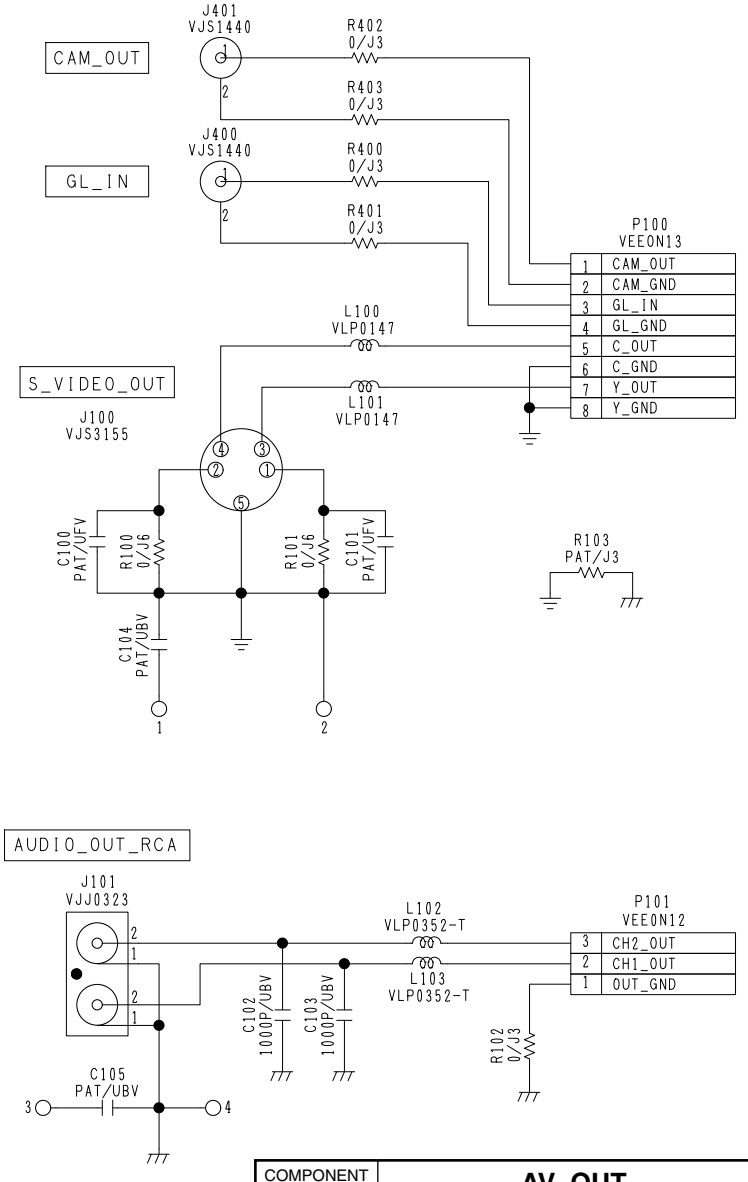
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

	FOR JAPAN	EXCEPT JAPAN
J1	VJP3417	VJS3417
J2	VJP3417	VJS3417
R1	ERJ3GEY0R00V	PAT
R2	PAT	ERJ3GEY0R00V
R3	PAT	ERJ3GEY0R00V
R4	ERJ3GEY0R00V	PAT
R7	ERJ3GEY0R00V	PAT
R8	PAT	ERJ3GEY0R00V
R9	PAT	ERJ3GEY0R00V
R10	ERJ3GEY0R00V	PAT



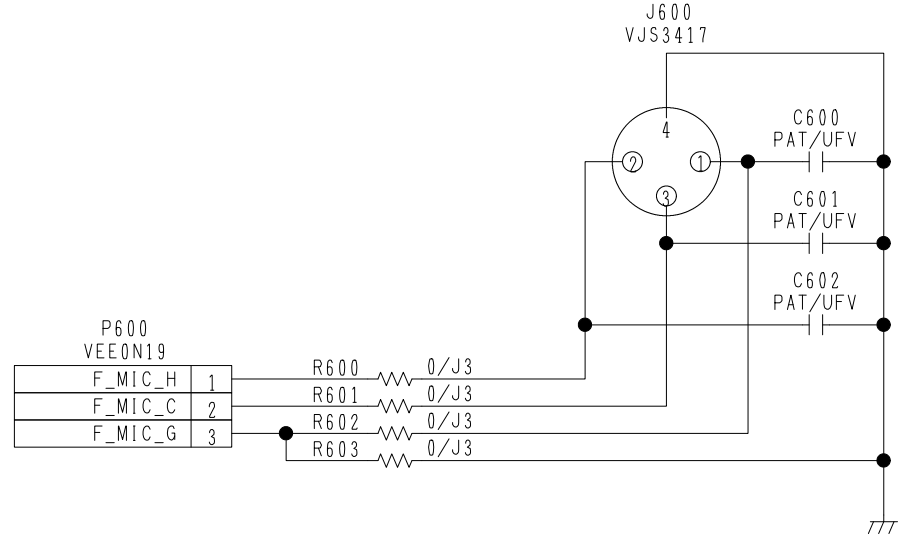
PAT=PATTERN ONLY

COMPONENT NAME	REAR JACK	01/01
CIRCUIT BOARD NO.		DRAWING NO.
NTSC : VEP80C06A (FOR JAPAN) VEP80C06B (EXCEPT JAPAN)		KR0Q16 **SCM061**



PAT=PATTERN ONLY

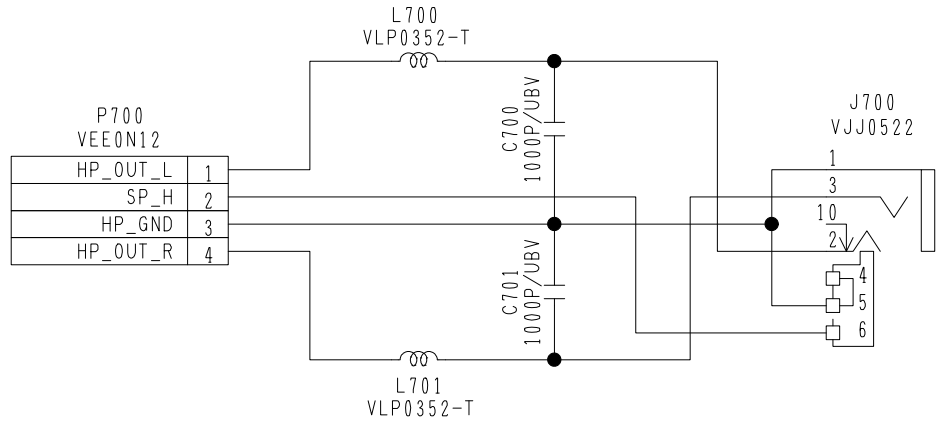
COMPONENT NAME	AV_OUT	01/01
CIRCUIT BOARD NO.		DRAWING NO.
NTSC: VEP80C07B		KR0Q17
		SCM062



COMPONENT NAME	FRONT_MIC	01/01
CIRCUIT BOARD NO.		DRAWING NO.
NTSC: VEP80C12A		KR0Q22
		SCM062

A B C D E F G H I J

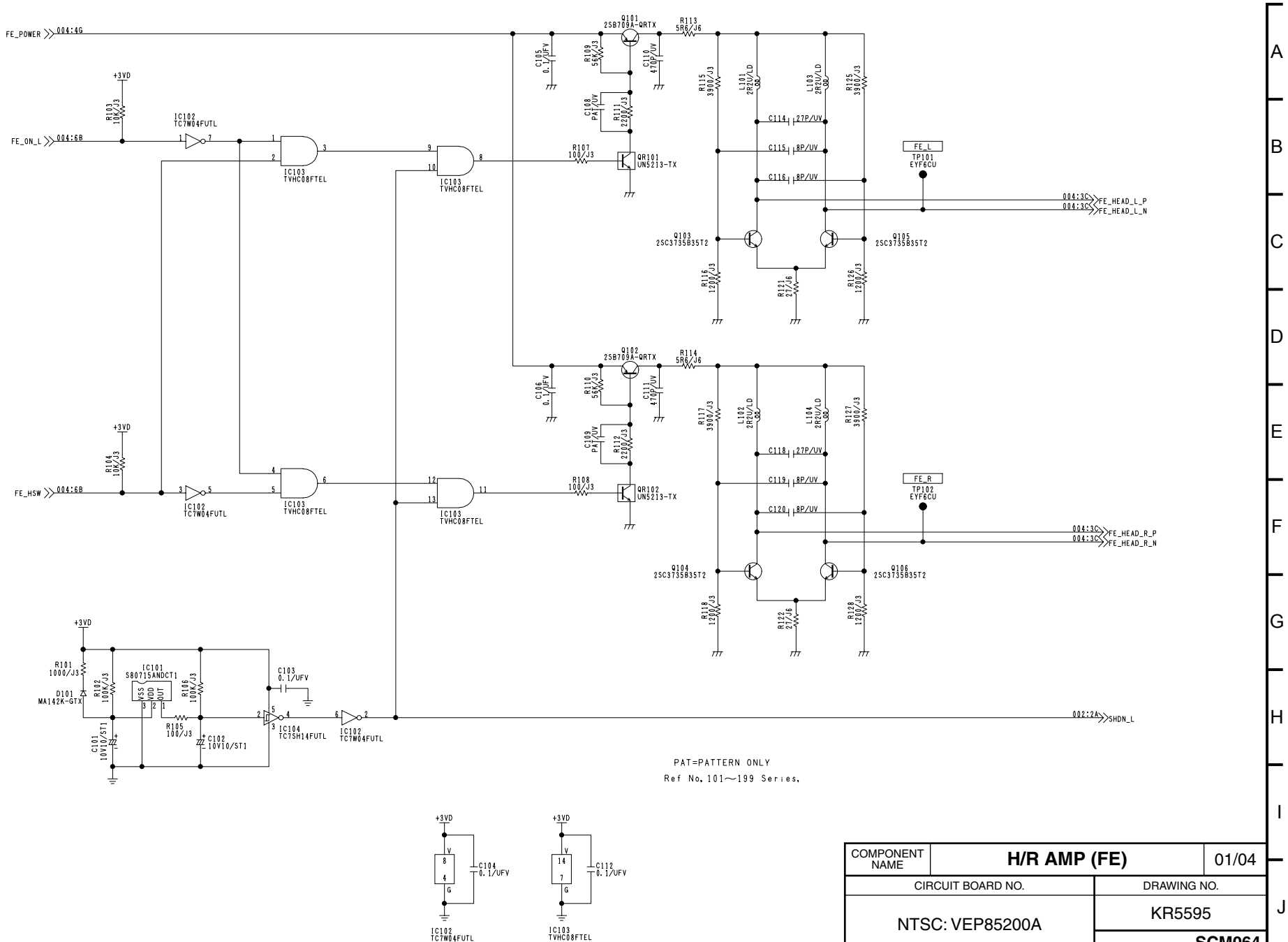
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15



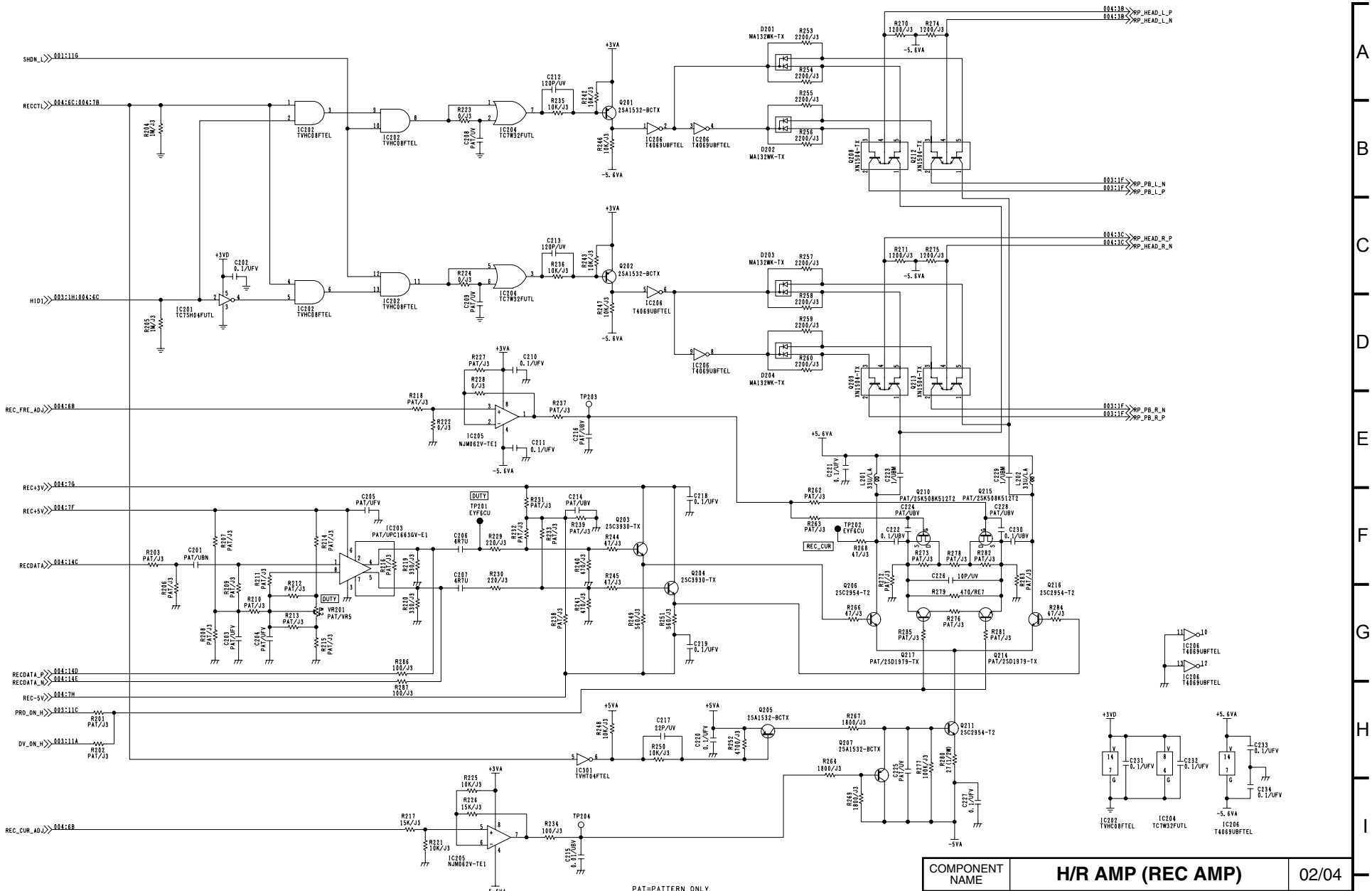
COMPONENT NAME	HEAD_PHONE	01/01
CIRCUIT BOARD NO.		DRAWING NO.
NTSC: VEP000U0A		KR0Q63
		SCM063

A B C D E F G H I J

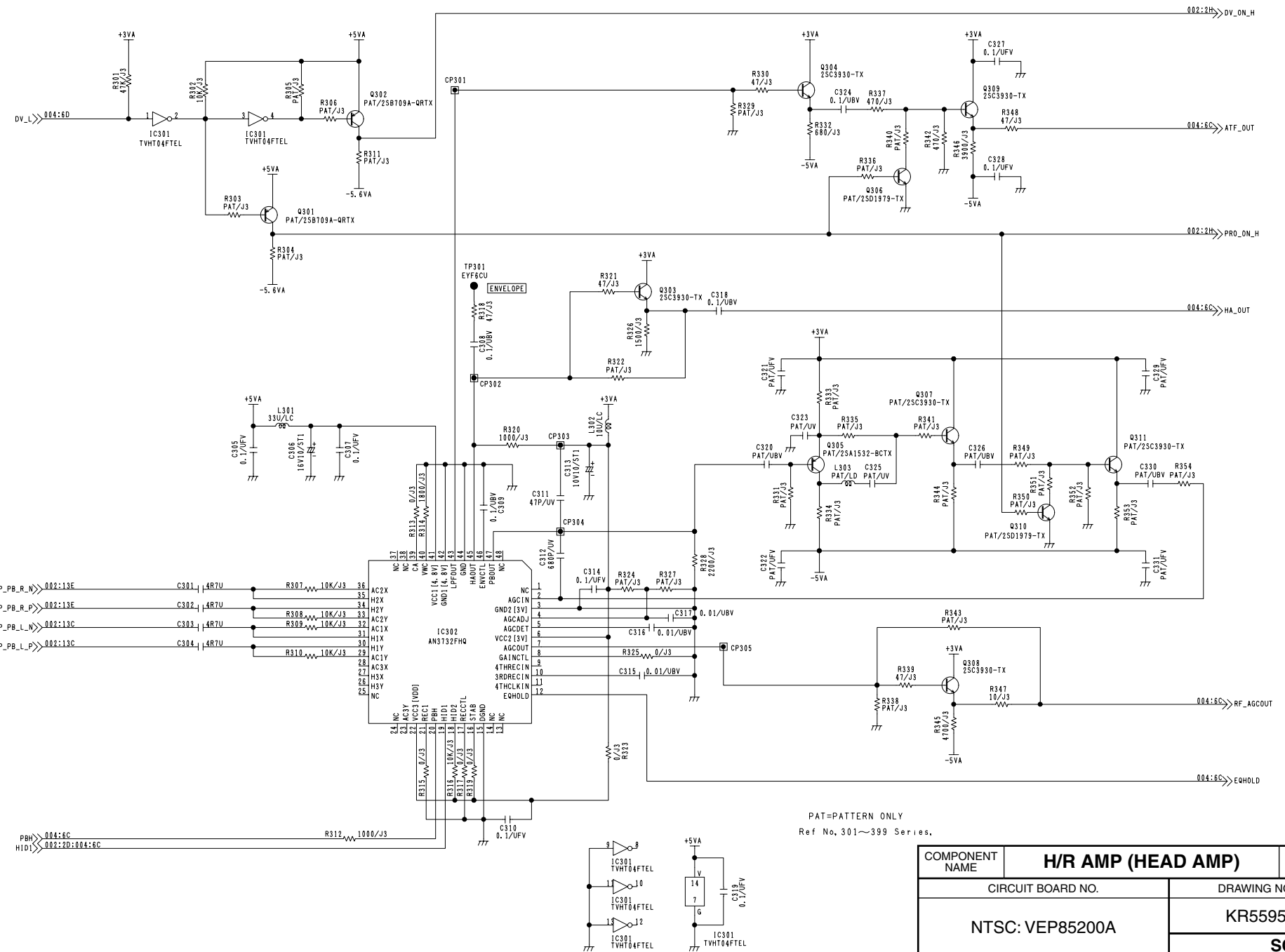
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15



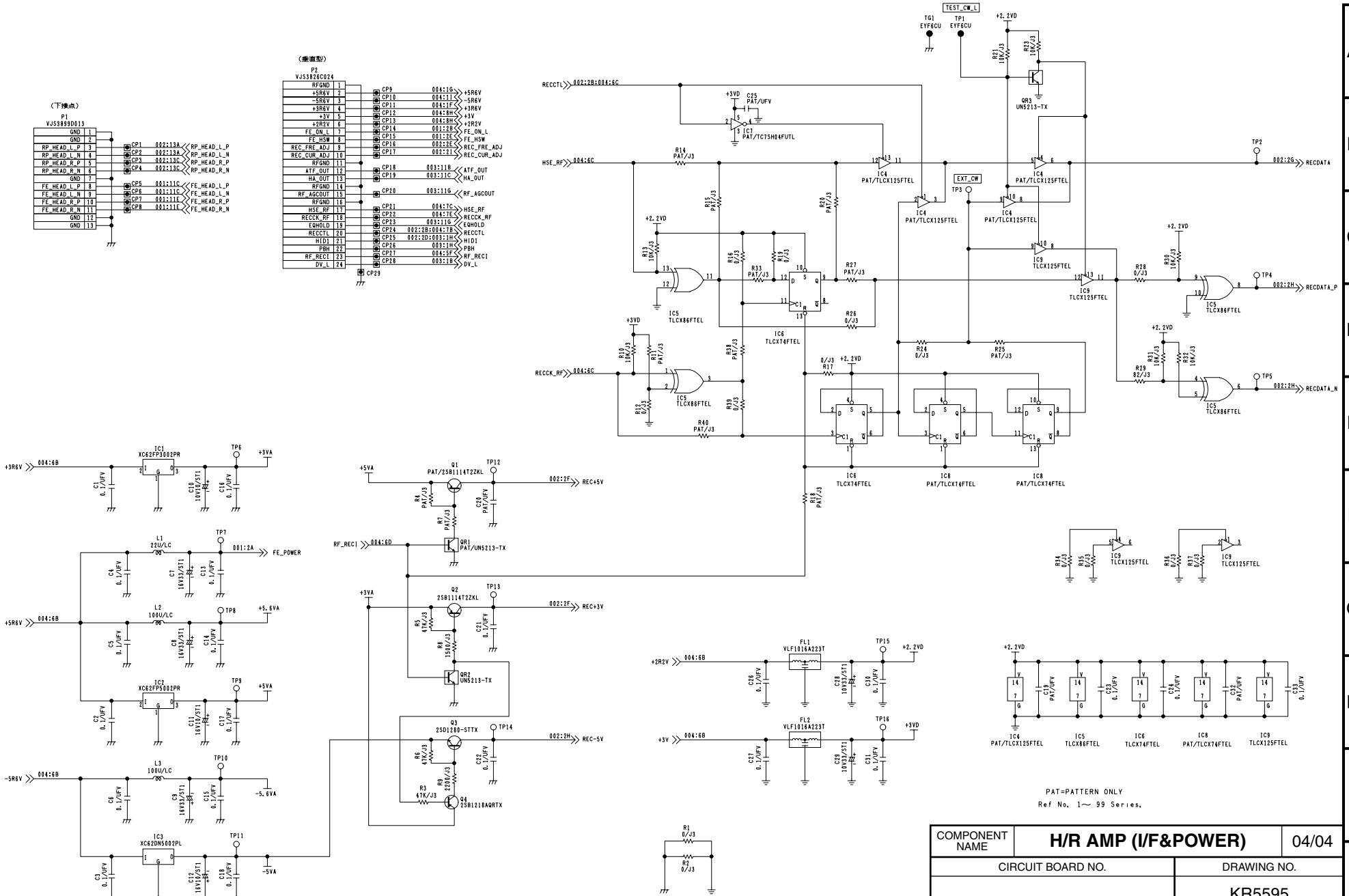
COMPONENT NAME	**H/R AMP (FE)**	01/04
CIRCUIT BOARD NO.		DRAWING NO.
NTSC: VEP85200A		KR5595
		SCM064

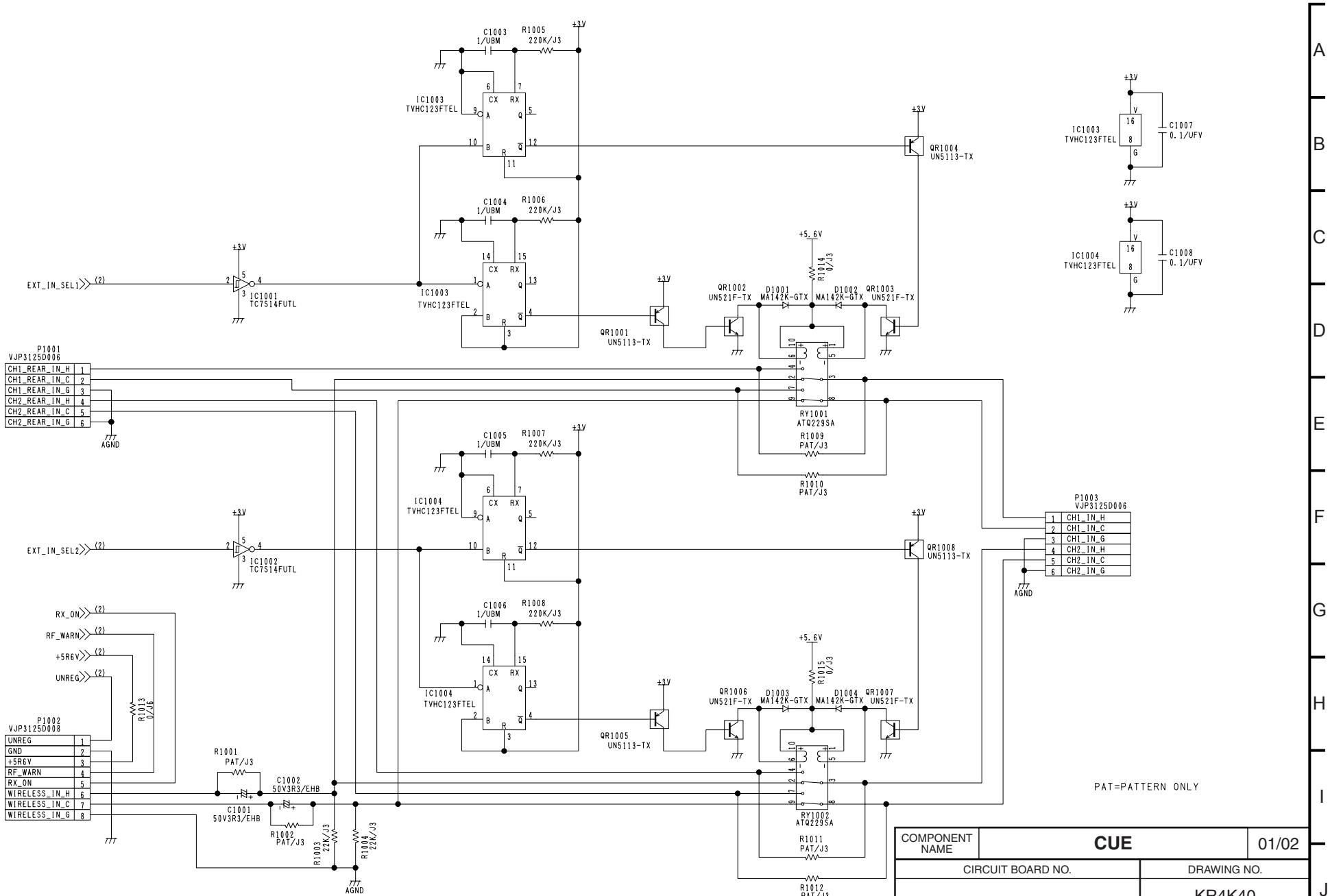


COMPONENT NAME	H/R AMP (REC AMP)	02/04
CIRCUIT BOARD NO.		DRAWING NO.
NTSC: VEP85200A		KR5595
		SCM065

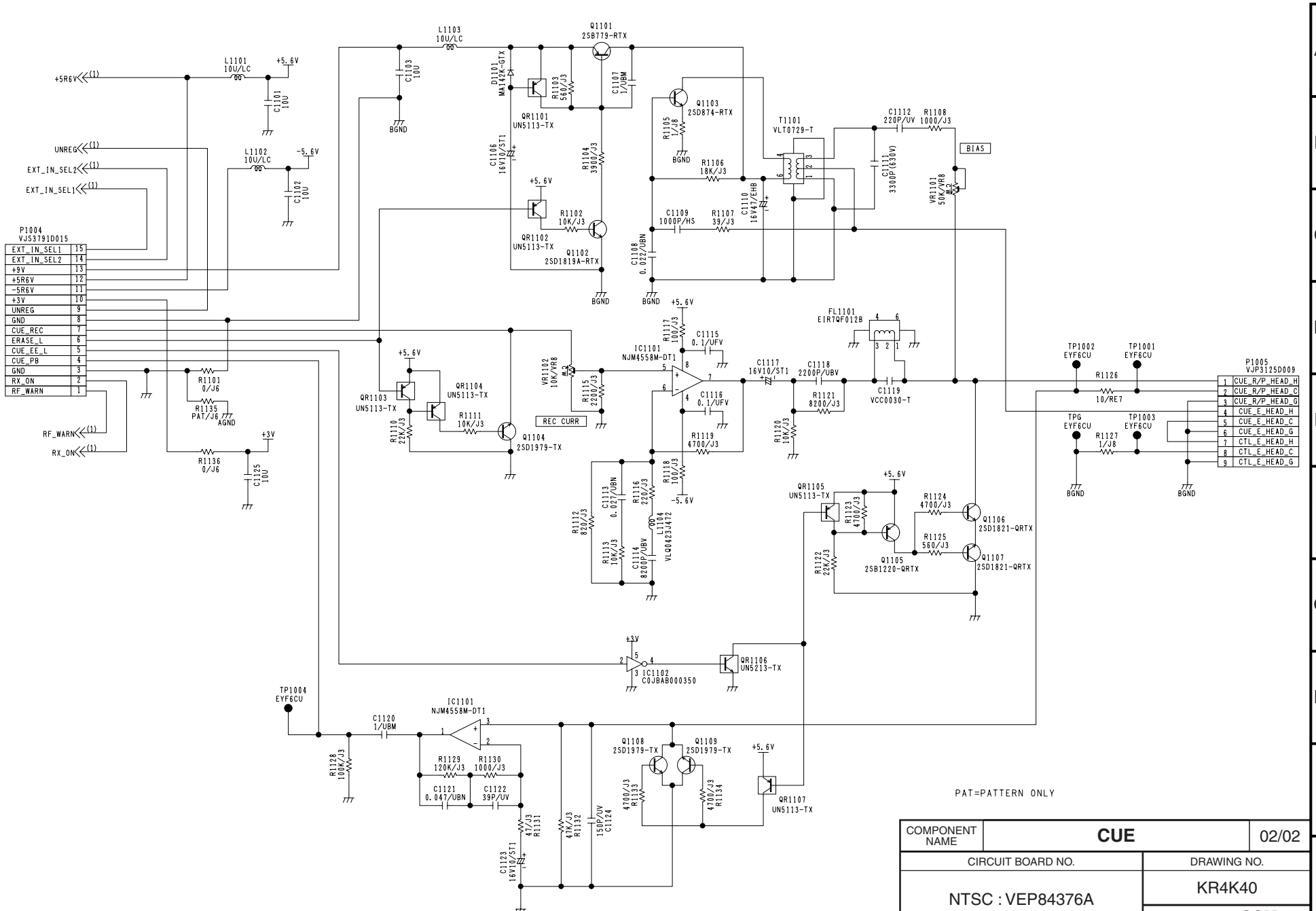


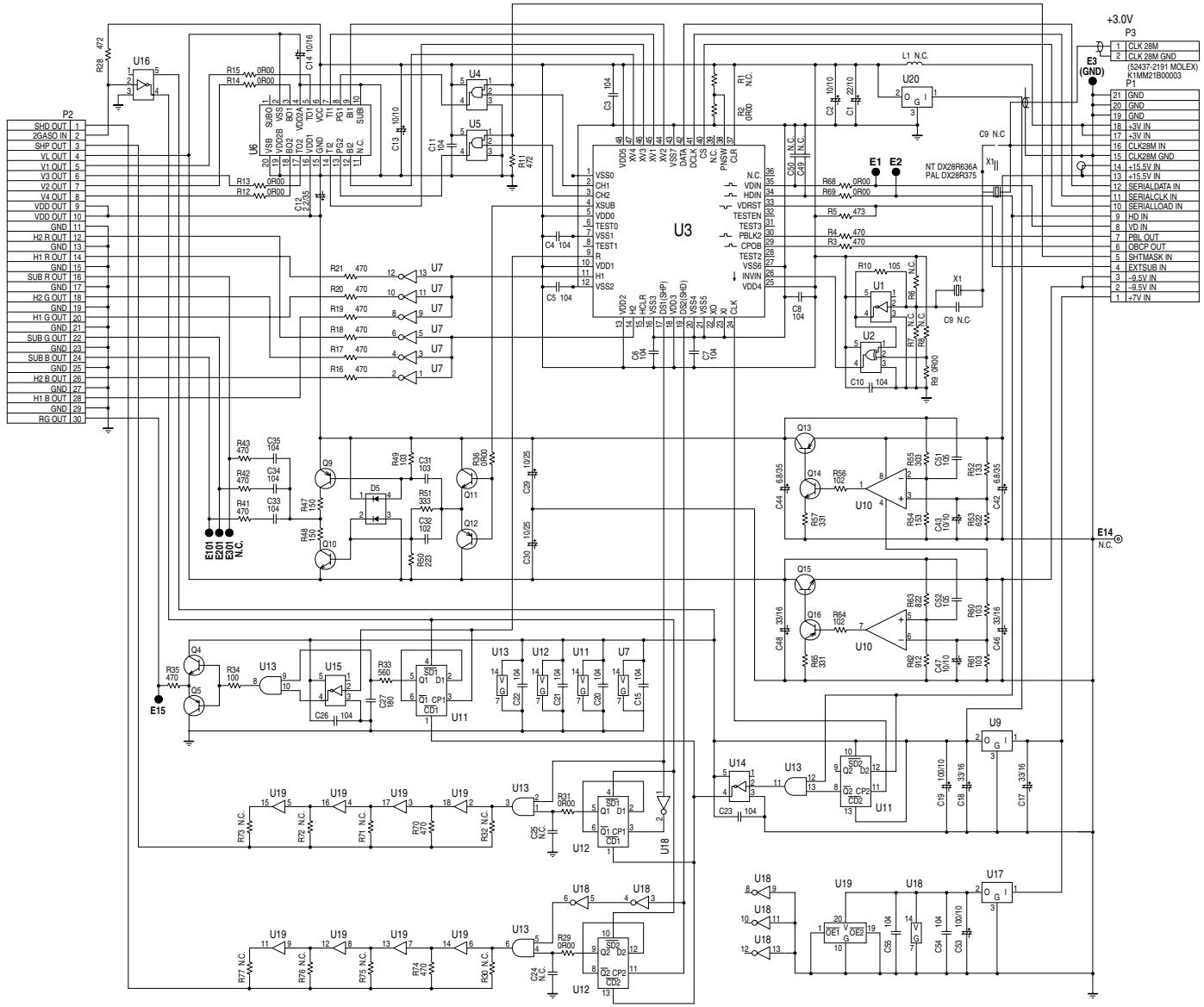
COMPONENT NAME	H/R AMP (HEAD AMP)	03/04
CIRCUIT BOARD NO.		DRAWING NO.
NTSC: VEP85200A		KR5595
		SCM066


(下接点)
P1
VJ53899D013
GND 1
GND 2
RP_HEAD_L_P 3
RP_HEAD_L_N 4
RP_HEAD_R_P 5
RP_HEAD_R_N 6
GND 7
FE_HEAD_L_P 8
FE_HEAD_L_N 9
FE_HEAD_R_P 10
FE_HEAD_R_N 11
GND 12
GND 13
(垂直型)
P2
VJ53826C024
RFGND 1
+5R6V 2
-5R6V 3
+3R6V 4
+3V 5
+2R2V 6
FE_ON_L 7
FE_HSW 8
REC_FRE_ADJ 9
REC_CUR_ADJ 10
RFGND 11
ATF_OUT 12
HA_OUT 13
RFGND 14
RF_AGCOUT 15
RFGND 16
HSE_RF 17
RECCK_RF 18
EQHOLD 19
RECCTL 20
HID1 21
PBH 22
RF_REC1 23
DV_L 24
TEST_CW_L
EXT_CW
RECCTL
HSE_RF
RECCK_RF
RECDATA
RECDATA_P
RECDATA_N
FE_POWER
REC+5V
REC+3V
REC-5V
IC1 XC62FP3002PR
IC2 XC62FP5002PR
IC3 XC62DN5002PL
IC4 PAT/TLCX125FTEL
IC5 TLCX86FTEL
IC6 TLCX74FTEL
IC8 PAT/TLCX74FTEL
IC9 TLCX125FTEL
Q1 PAT/2SB1114T2ZKL
Q2 2SB1114T2ZKL
Q3 2SD1288-STTX
Q4 2SB1218AQRTX
QR1 PAT/UNS213-TX
QR2 UNS213-TX
QR3 UNS213-TX
FL1 VLF1016A223T
FL2 VLF1016A223T
PAT=PATTERN ONLY
Ref No. 1～ 99 Series.
COMPONENT NAME
H/R AMP (I/F&POWER)
04/04
CIRCUIT BOARD NO.
NTSC: VEP85200A
DRAWING NO.
KR5595
SCM067

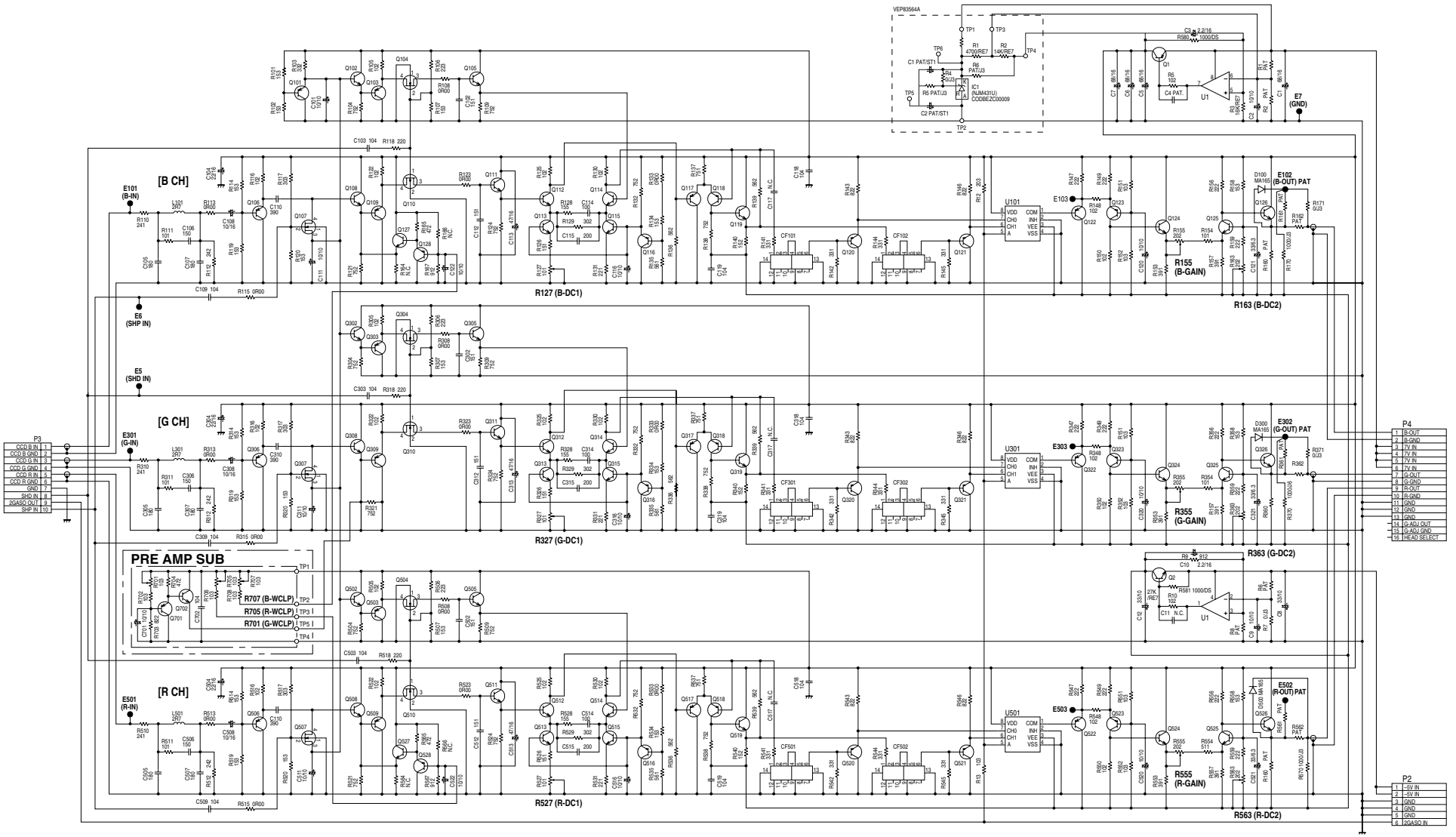


COMPONENT NAME	**CUE**	01/02
CIRCUIT BOARD NO.	DRAWING NO.	
NTSC : VEP84376A	KR4K40	
	SCM068	


P1004
VJS3791D015
EXT_IN_SEL1 15
EXT_IN_SEL2 14
+9V 13
+5R6V 12
-5R6V 11
+3V 10
UNREG 9
GND 8
CUE_REC 7
ERASE_L 6
CUE_EE_L 5
CUE_PB 4
GND 3
RX_ON 2
RF_WARN 1
+5R6V
UNREG
EXT_IN_SEL2
EXT_IN_SEL1
RF_WARN
RX_ON
L1101 10U/LC
L1102 10U/LC
L1103 10U/LC
+5.6V
-5.6V
+3V
BGND
AGND
C1101 10U
C1102 10U
C1103 10U
C1125 10U
R1101 0/J6
R1135 PAT/J6
R1136 0/J6
Q1101 2SB779-RTX
Q1102 2SD1819A-RTX
Q1103 2SD874-RTX
Q1104 2SD1979-TX
Q1105 2SB1220-QRTX
Q1106 2SD1821-QRTX
Q1107 2SD1821-QRTX
Q1108 2SD1979-TX
Q1109 2SD1979-TX
QR1101 UN5113-TX
QR1102 UN5113-TX
QR1103 UN5113-TX
QR1104 UN5113-TX
QR1105 UN5113-TX
QR1106 UN5213-TX
QR1107 UN5113-TX
D1101 MA142K-GTX
T1101 VLT0729-T
BIAS
VR1101 50K/VR8
VR1102 10K/VR8
REC CURR
FL1101 EIR7QF012B
IC1101 NJM4558M-DT1
IC1102 C0JBAB000350
L1104 VLQ0423J472
C1104 16V10/ST1
C1105 0.1/UFV
C1106 16V10/ST1
C1107 1/UBM
C1108 0.022/UBN
C1109 1000P/HS
C1110 16V47/EHB
C1111 3300P(630V)
C1112 220P/UV
C1113 0.027/UBN
C1114 8200P/UBV
C1115 0.1/UFV
C1116 0.1/UFV
C1117 16V10/ST1
C1118 2200P/UBV
C1119 VCC0030-T
C1120 1/UBM
C1121 0.047/UBN
C1122 39P/UV
C1123 16V10/ST1
C1124 150P/UV
R1102 10K/J3
R1103 560/J3
R1104 3900/J3
R1105 1/J8
R1106 18K/J3
R1107 39/J3
R1108 1000/J3
R1110 22K/J3
R1111 10K/J3
R1112 820/J3
R1113 10K/J3
R1115 2200/J3
R1116 220/J3
R1117 100/J3
R1118 100/J3
R1119 4700/J3
R1120 10K/J3
R1121 8200/J3
R1122 22K/J3
R1123 4700/J3
R1124 4700/J3
R1125 560/J3
R1126 10/RE7
R1127 1/J8
R1128 10K/J3
R1129 120K/J3
R1130 1000/J3
R1131 47/J3
R1132 47K/J3
R1133 4700/J3
R1134 4700/J3
TP1001 EYF6CU
TP1002 EYF6CU
TP1003 EYF6CU
TP1004 EYF6CU
TPG EYF6CU
P1005 VJP3125D009
1 CUE_R/P_HEAD_H
2 CUE_R/P_HEAD_C
3 CUE_R/P_HEAD_G
4 CUE_E_HEAD_H
5 CUE_E_HEAD_C
6 CUE_E_HEAD_G
7 CTL_E_HEAD_H
8 CTL_E_HEAD_C
9 CTL_E_HEAD_G
PAT=PATTERN ONLY
COMPONENT NAME
CUE
02/02
CIRCUIT BOARD NO.
NTSC : VEP84376A
DRAWING NO.
KR4K40
SCM069



COMPONENT NAME	**DRIVE**	01/01
CIRCUIT BOARD NO.		DRAWING NO.
NTSC: WE600EKF1C		**SCM070**



COMPONENT NAME	**PRE AMP**	01/01
CIRCUIT BOARD NO.		DRAWING NO.
NTSC: VEP83564A NTSC: WE600PKE1B NTSC: WE600PKY1A		**SCM071**